

# CITY OF BATH.

**December, 1944**

*Mayor :* Councillor E. E. CLEMENTS.

## HEALTH COMMITTEE.

*Chairman :* Alderman W. Barrett.

The Mayor; Alderman E. J. Tiley

Councillors :—

|                      |                |                  |
|----------------------|----------------|------------------|
| Dr. Barnes Burt      | T. Cook        | Mrs. H. Cordiner |
| Mrs. M. H. N. Hatt   | T. Jones       | H. Male          |
| L. N. Punter, M.B.E. | W. H. Rossiter | W. J. Say        |

## MATERNITY AND CHILD WELFARE COMMITTEE.

*Chairman :* Councillor Mrs. M. H. N. HATT.

The Mayor.

Councillors :—

|                 |                    |                  |
|-----------------|--------------------|------------------|
| J. W. Andrews   | P. E. Bence        | Mrs. H. Cordiner |
| H. S. Howard    | Rev. W. J. Jenkins | T. Jones         |
| Mrs. N. H. Pitt | W. J. Say          | G. G. Seymour    |
|                 | G. H. Williams     |                  |

Co-opted Members :—

|                  |              |              |            |
|------------------|--------------|--------------|------------|
| Miss Ealand      | Mrs. Hall    | Mrs. Hocking | Mrs. Marsh |
| Mrs. M. Rawlings | Dr. E. Scott | White        |            |

## HOUSING COMMITTEE.

*Chairman :* Alderman S. DAY.

The Mayor, Aldermen S. J. Amblin, G. E. Hiskens.

Councillors :—

|                 |                |                |
|-----------------|----------------|----------------|
| J. W. Andrews   | A. W. S. Berry | H. Male        |
| Mrs. N. H. Pitt | W. J. Say      | A. E. Whitcher |

Co-opted Members :—

|                 |                  |
|-----------------|------------------|
| Mrs. C. M. Bond | Mrs. M. Clements |
|-----------------|------------------|

## STAFF. December, 1944.

The following particulars are given in accordance with the request of the Ministry of Health. *Italics=on active service.*

### PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health and School Medical Officer :

J. F. Blackett, M.D. (Lond.), D.P.H.

Deputy Medical Officer of Health and Deputy School Medical Officer :

B. A. Astley Weston,

M.B., Ch.B., (Bristol), M.R.C.S., L.R.C.P., D.P.H.

Assistant Medical Officers :

Norah D. Pinkerton, M.B., B.S. (Lond.), B.Sc.

*H. Campbell*, M.B., Ch.B., D.P.H.

City Analyst : \*H. F. Barke, F.I.C.

Chief Sanitary Inspector :

A. Tyler, Cert. San. I., Meat I., and Smoke I.,  
Ollett Medalist

District Inspectors :

W. T. Blake, M.M., Cert. San. I. and Meat. I.

J. W. Elliott, do. do.

R. W. L. Read do. do.

G. W. Dhenin do. do.

H. F. Binder do. do.

Administrative Tuberculosis Officer : The Medical Officer of Health

Clinical Tuberculosis Officer : *H. Campbell*, M.B., Ch.B., D.P.H.

do. Acting : Drs. Brenda Hutchinson and Ian Gordon

Tuberculosis Health Visitors :

Mrs. E. M. Roberts, S.R.N., S.C.M. (from 11/9/44)

Health Visitors—Maternity and Child Welfare :

Miss G. Sparshatt, S.R.N., S.C.M. ; New Health Visitors' Certificate.

*Miss P. E. Timothy*, S.R.N., S.C.M. ; New Health Visitors' Certificate

Miss J. B. John, S.R.N., S.C.M., New Health Visitors' Certificate

Miss G. Davies, S.R.N., S.C.M., Ex-Queen's Nurse

Miss A. M. Turney, S.R.N., S.C.M., New Health Visitors' Certificate (from 11/9/44)

Clerks :

C. J. Pring, Chief Clerk

R. G. Lavis

R. E. Adams

V. G. Fudge

*C. J. Taylor*

*J. Snowden*

Mrs. H. M. Welch

## Temporary Staff :

Mrs. E. Sylvester  
 Mrs. R. Dolman  
 Miss L. A. Clifford  
 Miss M. E. Ainsworth

N. R. A. Ludlow  
 T. D. Blyth  
 Miss C. A. Moss crop

## Medical Officers to Ante-Natal and Infant Welfare Centres :

Dr. Norah D. Pinkerton      \*Dr. R. E. Thomas  
*Dr. H. Campbell*              \*Dr. Helen Dixon

## Superintendent of Council Midwives :

\*Miss A. Cook, S.R.N., S.C.M.

## Council Midwives :

Miss M. E. Thomas              Miss E. M. Slocombe  
 „ A. Howarth                  „ M. Smith

## Medical Officer to Venereal Diseases Clinic (at Royal United Hospital)

\*Dr. R. Waterhouse

## Medical Officer to Orthopædic Clinic :

\*Miss Maud F. Forrester-Brown, M.D., M.S. (Lond.).

## Public Vaccinators :

*Dr. H. Campbell*  
 Dr. Astley Weston  
 \*Dr. P. H. Knowles

## Vaccination Officer :

C. J. Pring

Matron, Weston Lodge Nursing Home, Miss V. Pitt, S.R.N., S.M.N.

**CITY ISOLATION HOSPITAL.**

## Medical Superintendent and Medical Attendant :

J. F. Blackett, M.D. (Lond.), D.P.H.

Matron : Miss M. M. Thompson, S.R.N., S.C.M.

**PUBLIC ASSISTANCE DEPARTMENT.**

## Medical Officers at St. Martin's Hospital :

Dr. F. Kohn, Dr. Clara D. Cross, Dr. M. H. Hall,  
 Dr. W. H. Whelan, Dr. J. H. Cox,  
 Dr. Madeleine Pinkerton and \*Dr. E. M. Pearse

## \*District Medical Officers :

*Dr. J. B. Bennett*  
 Dr. T. C. Halley  
 Dr. P. H. Knowles  
 Dr. R. Lynn  
 Dr. R. Scott Reid  
 Dr. C. E. Trimble

The Staff of the School Medical Department is given in my Report to the Education Authority.

\*Part-time Officer of the Council

# SUMMARY OF STATISTICS.

## City and County Borough of Bath.

### Health Resort and Chief Town of Somerset.

Area of the Borough, 5152 Statute acres.

Situation—Latitude 51° 23' N., Longitude 2° 21' W.

Elevation—Varies from 50 feet above sea level on the lower banks of the Bath Avon to about 550 feet on the South and 700 feet on the North.

Mean elevation—269 feet above sea level.

Geological Formation—Oolitic Clays, Limestones and Sands; Lias and Gravel.

Water—Constant service of moderately hard spring water. Corporation Reservoirs have a total capacity of 61,305,000 gallons. Average daily consumption, 1944, 22.84 gallons per head; 1939-43 24.58 gallons.

Sewage disposal almost exclusively by water carriage. Treated at Saltford.

House refuse removed and cremated by the Sanitary Authority.

Population—Pre-war, about 69,000 (see below).

Number of inhabited houses, Census 1931, 15,599 (*i.e.*, structurally separate dwellings occupied by private families). Estimate for 1944, 18,000.

|  | Years ... | 1944.     | 1943.     | Mean of 1936-40. | Mean of 1931-35. |
|--|-----------|-----------|-----------|------------------|------------------|
| Population { Birth and Marriage rates ...            | ...       | 72,220    | 72,910    | 70,432           | 68,556           |
| Death rates ...                                      | ...       | 72,220    | 72,910    | 70,908           | 68,556           |
| Rainfall (Mean of 75 yrs., 1866-1940, 31'02 ins).... |           | 26'36     | 27'96     | 31'14            | 30'62            |
| Rateable Value in October                            | £         | 629,644   | 624,226   | 619,703          | 577,182          |
| Rates—Total per £                                    | ...       | 12/6      | 12/-      | 10/6             | 10/-             |
| One penny General Rate produced                      | £         | 2,500     | 2,510     | 2,390            | 2,251            |
| Total net indebtedness                               | £         | 2,389,940 | 2,478,289 | 2,211,120        | 1,896,791        |
| Ditto per person                                     | £         | 32-15-7   | 36-0-3    | 32-7-6           | 27-11-5          |
| MARRIAGES—Number Registered                          | ...       | 559       | 513       | 731              | 552              |
| Rate per 1000 population. Bath                       |           | 15'5      | 14'1      | 20'7             | 16'1             |
| Ditto. England and Wales                             |           | 14'6      | 14'3      | 19'2             | 16'1             |
| BIRTHS—Number  | Bath      | 1344      | 1142      | 877              | 767              |
| Rate per 1000 population                             | "         | 18'6      | 15'7      | 12'4             | 11'2             |
| Ditto. England and Wales                             |           | 17'6      | 16'5      | 14'9             | 15'0             |
| Illegitimate births per 1000 infants born            | Bath      | 107       | 81        | 48               | 49               |
| DEATHS—Number—Civilian Bath residents                |           | 1001      | 1026      | 1076             | 982              |
| Net rate per 1000 population, Bath                   |           | 13'9      | 14'1      | 15'1             | 14'3             |
| Standardized rate for age and sex                    | "         | 11'4      | 11'6      | 11'3             | 10'5             |
| Death Rate, England and Wales                        |           | 11'6      | 12'1      | 12'5             | 12'0             |
| INFANT MORTALITY—                                    | Bath      | 53        | 44        | 43               | 42               |
| England and Wales                                    |           | 46        | 49        | 55               | 62               |
| Illegitimate Infants                                 | Bath      | 139       | 118       | 42               | 76               |
| DEATHS from Diarrhoea & Enteritis (under 2 yrs.)     |           | 10        | 9         | 1                | 3                |
| Ditto. Rate per 1000 births, Bath                    |           | 7'4       | 7'9       | 1'0              | 3'7              |
| Ditto. do. England and Wales                         |           | 4'8       | 5'3       | 5'3              | 6'2              |
| PRINCIPAL CAUSES OF DEATH—                           |           |           |           |                  |                  |
| Pulmonary Tuberculosis                               | ...       | 40        | 37        | 40               | 40               |
| " Other " Tuberculosis                               | ...       | 5         | 7         | 6                | 9                |
| Influenza  | ...       | 3         | 38        | 25               | 32               |

## SUMMARY OF STATISTICS--Continued

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| Years  | ... | 1944 | 1943 | Mean of<br>1936-40 | Mean of<br>1931-35 |
|--|-----|------|------|--------------------|--------------------|
| Pneumonia  | ... | 51   | 62   | 57                 | 60                 |
| Bronchitis   | ... | 18   | 29   | 20                 | 32                 |
| Cancer   | ... | 162  | 144  | 155                | 142                |
| Cerebral Hæmorrhage, etc., Heart<br>Disease & other Circulatory diseases | ... | 451  | 426  | 458                | 333                |
| Nephritis  | ... | 26   | 38   | 38                 | 44                 |
| Senile Decay   | ... | 18   | 27   | 32                 | 49                 |
| Seven principal "Zymotic" Diseases                                       | ... | 12   | 19   | 8                  | 8                  |
| Violence   | ... | 34   | 33   | 43                 | 34                 |
| <b>DEATH RATES per 1000 population from—</b>                             |     |      |      |                    |                    |
| Pulmonary Tuberculosis   | ... | 0.55 | 0.51 | 0.57               | 0.58               |
| "Other" Tuberculosis   | ... | 0.07 | 0.10 | 0.08               | 0.13               |
| Influenza  | ... | 0.04 | 0.52 | 0.35               | 0.47               |
| Pneumonia  | ... | 0.71 | 0.85 | 0.80               | 0.88               |
| Bronchitis   | ... | 0.25 | 0.40 | 0.28               | 0.47               |
| Other Diseases of Respiratory Organs                                     | ... | 0.14 | 0.08 | 0.10               | 0.22               |
| Cancer   | ... | 2.24 | 1.98 | 2.18               | 2.07               |
| <b>DEATHS at various age periods—</b>                                    |     |      |      |                    |                    |
| Under 1 year   | ... | 71   | 50   | 38                 | 32                 |
| 1 to 5 years   | ... | 12   | 16   | 14                 | 14                 |
| Between 5 and 60 years   | ... | 184  | 230  | 239                | 231                |
| Over 60 years  | ... | 734  | 730  | 788                | 704                |
| <b>INFECTIOUS DISEASE—Cases notified</b>                                 |     |      |      |                    |                    |
| Diphtheria   | ... | 40   | 80   | 111                | 51                 |
| Scarlet Fever  | ... | 134  | 182  | 129                | 130                |
| Enteric Fever  | ... | —    | —    | 3                  | 1                  |
| Small-pox  | ... | —    | —    | —                  | —                  |
| Erysipelas   | ... | 24   | 24   | 28                 | 17                 |
| Ophthalmia Neonatorum  | ... | 13   | 6    | 6                  | 10                 |
| Puerperal Fever...   | ... | —    | —    | —                  | 2                  |
| Puerperal Pyrexia  | ... | 10   | 23   | 17                 | 18                 |
| Pulmonary Tuberculosis   | ... | 76   | 75   | 51                 | 80                 |
| "Other" Tuberculosis   | ... | 8    | 9    | 12                 | 20                 |
| <i>See also pages 24 and 46</i>  |     |      |      |                    |                    |
| <b>INFECTIOUS DISEASE Attack rates per 1000<br/>population—</b>          |     |      |      |                    |                    |
| Diphtheria   | ... | 0.55 | 1.10 | 1.59               | 0.74               |
| Scarlet Fever  | ... | 1.86 | 2.50 | 1.76               | 1.89               |
| Enteric Fever  | ... | —    | —    | 0.04               | 0.01               |
| Erysipelas   | ... | 0.33 | 0.33 | 0.39               | 0.25               |
| Puerperal Fever...   | ... | —    | —    | —                  | 0.03               |
| Puerperal Pyrexia  | ... | 0.14 | 0.32 | 0.24               | 0.26               |
| Pulmonary Tuberculosis   | ... | 1.05 | 1.03 | 0.72               | 1.17               |
| "Other" Tuberculosis   | ... | 0.11 | 0.12 | 0.17               | 0.29               |
| <b>NUMBER OF DEATHS from—</b>  |     |      |      |                    |                    |
| Diphtheria   | ... | 1    | 2    | 4                  | 2                  |
| Scarlet Fever  | ... | —    | —    | 1                  | —                  |
| Enteric Fever  | ... | —    | —    | —                  | —                  |
| Erysipelas   | ... | 2    | —    | 1                  | 2                  |
| Measles  | ... | —    | 3    | 2                  | 3                  |
| Whooping Cough   | ... | 1    | 5    | 1                  | 1                  |
| Puerperal Sepsis   | ... | —    | 1    | 1                  | 1                  |
| <b>DEATH RATES per 1000 population from—</b>                             |     |      |      |                    |                    |
| Diphtheria   | ... | 0.01 | 0.03 | 0.06               | 0.03               |
| Scarlet Fever  | ... | —    | —    | 0.01               | —                  |
| Enteric Fever  | ... | —    | —    | —                  | —                  |
| Erysipelas   | ... | 0.03 | —    | 0.01               | 0.03               |
| Measles  | ... | —    | 0.04 | 0.02               | 0.04               |
| Whooping Cough   | ... | 0.01 | 0.07 | 0.01               | 0.01               |
| Puerperal Sepsis   | ... | —    | 0.01 | 0.01               | 0.02               |
| <b>VACCINATION—Percentage of Infants vaccinated</b>                      |     |      |      |                    |                    |
|  |     | *29  | 23   | 12                 | 14                 |

\* January to June only.



TO HIS WORSHIP THE MAYOR AND TO THE ALDERMEN  
AND COUNCILLORS OF THE CITY OF BATH.

Ladies and Gentlemen,

The Report which follows contains a summary of the work done during 1944 in connection with various matters relating to the public health for which the City Council is responsible. It is the last which will appear under my name and it covers the last complete year of the war. My first Report issued in 1920, I described as "an introduction to a new series which will deal with the post-war health of the city." In the sense that another post-war period is now commencing, that series may be considered as ending with my final contribution to it. Reports on the City's health and vital statistics are available from 1866 onwards.

Throughout the year the general health of the city was good but certain unsatisfactory features have had to be noted in connection with housing, illegitimacy and the treatment of tuberculosis. War time difficulties and restraints were not relaxed during 1944 but the issue of the Government's White Paper on a National Health Service in February and a growing conviction of approaching victory both tended to give us a new and more hopeful outlook for the future. With reasonable economic recovery we are certainly on the threshold of widespread changes and developments in the communal health services. Increasing complexity of organisation is inevitable and we should therefore bear in mind and try to avoid two special dangers which seem likely to follow in its train. One is the lessening of individual responsibility and initiative and the other an undue emphasis on the treatment of disease as opposed to the creation of conditions favourable to health.

\*During my long period of office I have had ample cause to be grateful for the never failing kindness and consideration shown to me by the Chairmen and members of Committees under whom I have served, and I cannot speak too highly of the consistent loyalty and support I have received from my staff. It is a pleasure, too, to acknowledge the co-operation which has always been forthcoming from the other Departments of the municipal service. All these things have lightened the burden of strenuous and often difficult years and have given me many happy memories to carry with me as I hand over my duties and responsibilities to my successor.

I remain, Ladies and Gentlemen,

Yours faithfully,

JAMES F. BLACKETT,

*Medical Officer of Health*

Bath, September, 1945.

# Report of the Medical Officer of Health for the City of Bath for the Year 1944.

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## Section A.

### STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

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Before the war Bath could have been described as a modern health resort with important literary and historical associations ; a city whose amenities and pleasant situation attracted as a place of residence many retired and other people able to choose where they would live ; and the site of several important industries. These remain as permanent features, but in 1944 as well as during the earlier war years, the general character of the population in regard to age, sex, occupation and length of residence had been considerably modified by a variety of circumstances—including the transfer to Bath of a large number of civil servants and their families (several thousands in all) ; the presence of many “evacuees,” both official and unofficial ; the recruitment of a high proportion of young men and women residents for the Services ; and after 1941 the indirect results of the air raids. In the absence of precise information, however, we have again had to take .82 as the areal comparability factor for calculating the standardised death rate.

**Population.** The Registrar-General's estimate of the 1944 mid-year population was 72,220, a diminution of 690 compared with 72,910 which was his figure for 1943. The changes in numbers during the war were discussed in my last Report. Taking 1938, the last complete year before the war, as 100, the population for the seven years, 1938-44, would be represented by the figures 100, 101, 116, 122, 112, 107 and 106.

**Births and Infant Mortality.** The birth-rate which has been rising for several years, showed a remarkable increase in 1944 of nearly 3 per thousand population, bringing it to 18.6, compared with 15.7, 14.9, 13.2 and 12.4, for the four previous years. For the first time on record our birth-rate was higher than that for England and Wales, which during the five years just referred to rose in a much more gradual fashion from 14.6 to 17.6. All our figures are after adjusting for inward and outward transfers.

As a factor influencing the growth of population, the increase in infant mortality from an average of about 47 in recent years to 53 in 1944 is of little importance in relation to the increased birth-rate, since the former implies the loss of perhaps 8 infants and the latter a gain of over 200 in the year. The 1944 infant mortality for England and Wales was 46 and for the County Boroughs 52.

Unfortunately, the statistics of illegitimacy among Bath mothers reveal disquieting and regrettable features. Not only has the proportion to all births more than doubled and the actual number more than trebled since 1938, but the infant mortality among illegitimate infants is both higher than it used to be and very much higher than that of legitimate children. I think the excessive mortality is due much more to the unhappy and distressing circumstances so often associated with illegitimacy than it is to any deliberate or culpable negligence, of which indeed I do not think there is much evidence. (See also page 18).

**Marriages.** The number registered as taking place in Bath, not necessarily of Bath people, was 559. In 1943 it was 513. The marriage rate, which had been fairly stable at about 16 per thousand population for several years up to 1937, rose sharply to 25 in 1939, declined to 14.1 in 1943, and has now risen to 15.5.

**Deaths.** The standardised civilian death-rate for 1944 was 11.4, compared with 11.6 in 1943. Details of the principal causes of deaths and the incidence in various age groups may be seen in the Summary (pages 6 and 7). The death-rate for England and Wales was 11.6.

**Air Raid Casualties.** The details given in the following table ought really to have appeared in my Report for 1942, but publication has hitherto been forbidden on security grounds. It may be said that had our losses been at the same rate as those of the country as a whole we should have had 100 deaths during the more than 5½ years of the European war. Actually we had 400 as the result of attacks confined to a period of 30 hours.



| Date.                      | Deaths. |        |                    | Total. | Wounded.   |           |
|----------------------------|---------|--------|--------------------|--------|------------|-----------|
|                            | Men.    | Women. | Children under 16. |        | Seriously. | Slightly. |
| 1941. Jan. 16<br>(Twerton) | 3       | —      | 3                  | 6      | 6          | 20        |
| „ Apl. 12<br>(Widcombe)    | 6       | 3      | 2                  | 11     | 9          | 43        |
| 1942. Apl. 25-27           | 151     | 188    | 61                 | 400    | 357        | 515       |
|                            | 160     | 191    | 66                 | 417    | 372        | 578       |

Of the children, 25 were boys and 41 girls.

Seriously wounded means those admitted to hospitals.

Slightly wounded were those treated other than as hospital in-patients.

The occurrence of these deaths leads to certain difficulties in connection with our statistical tables. To include them would break the continuity of our ordinary records and would (if 1942 were involved) interfere with our ability to make useful comparisons between the vital statistics of various years or series of years. They have in fact been omitted in all our calculations of death-rates, but the figures given above would enable the necessary adjustments to be made if for any particular reason it were desired to take them into account.

The following extracts from the vital statistics are given in the form suggested in the Ministry of Health's Circular No. 1961.

|                                 |                        | Total.   | M.      | F.                       |                    |
|---------------------------------|------------------------|----------|---------|--------------------------|--------------------|
| Live Births                     | Legitimate             | ....1200 | 609     | 591                      | } Birth Rate, 18·6 |
|                                 | Illegitimate           | .... 144 | 72      | 72                       |                    |
| Stillbirths                     | ....                   | .... 34  | 19      | 15                       | Rate per 1,000     |
|                                 |                        |          |         |                          | total births, 24·7 |
| Deaths                          | ....                   | 1001     | 449     | 552                      | Death-rate, 11·4   |
| Deaths from puerperal causes :— |                        |          |         | Rate per 1,000 total     |                    |
|                                 |                        |          | Deaths. | (live and still) births. |                    |
|                                 | Puerperal sepsis       | ...      | 0       | 0·00                     |                    |
|                                 | Other puerperal causes |          | 1       | 0·73                     |                    |
|                                 | Total                  | ...      | 1       | 0·73                     |                    |

Death-rate of infants under one year of age per 1,000 live births :—

Legitimate, 43 ; Illegitimate, 139 ; Total, 53.

|                                     |     |     |
|-------------------------------------|-----|-----|
| Deaths from Cancer (all ages)       | ... | 162 |
| „ „ Measles (all ages)              | ... | —   |
| „ „ Whooping Cough (all ages)       | ... | 1   |
| „ „ Diarrhœa (under 2 years of age) | ... | 10  |

## Section B.

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### GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

**Laboratory Facilities.** There is an Emergency Medical Services "Area Laboratory" at St. Martin's Hospital capable of undertaking all types of work—the number of investigations in 1944 was 9918. Fully equipped Laboratories also exist at the Royal United and at the Royal National Hospitals. For details of work carried out for the City Council at St. Martin's, the Royal United Hospital and by the City Analyst see pages 25 and 36-40.

**Ambulance Facilities.** For ordinary cases:—City Council 4, St. John Ambulance Association 4, Red Cross Society (primarily for military, but available for civilian cases) 2. For infectious cases, Isolation Hospital, 1. In addition there are 8 ambulances connected with the Civil Defence Services and 1 at St. Martin's Hospital.

The arrangements for the civilian ambulance service referred to in my last Report were continued during 1944. 4,137 cases (3,343 removals and 794 accidents) were dealt with, the total mileage covered being 31,676. In addition, a large amount of Civil Defence and Emergency Medical Service work was carried out.

**Nursing in the Home.** Arrangements with the Bath District Nursing Association continued without change. During 1944 the District Nurses made 479 visits for the Council, the total charge being £19. This is exclusive of the work of the City Midwives (see page 16). A contribution of £80 was made through the Health Committee. Nursing Association figures: 7 nurses (excluding midwives) paid 18,380 visits to 882 patients during the year ending 31st March, 1945.

**St. Martin's Hospital.** General descriptions of this Hospital have been given in several recent Reports. The old building is almost exclusively used for civilian Bath patients and the new Emergency Medical Services Section mainly for Service patients, transferred war workers, and others. Sick persons admitted to the city side numbered 2,032 and to the Emergency Medical Services wards 2,821, a total of 4,853. (The corresponding figures for 1943 were 1,625; 1,942; and 3,567). This summary can be amplified and many other details relating to the Hospital obtained by reference to the Council Minutes, particularly to pages 245, 383, 533, 625-6, and 824 of 1944, and 125 and 275 of 1945.

**Other Hospitals.** No important changes took place in 1944 and the position is as described in previous reports.

**Poor Law Medical Out-Relief.** No material changes in procedure. The average number chargeable and, therefore, at risk (year ended 31st March, 1945) was 316, as compared with 308, 304 and 403 during the three previous years. For further details of the medical services see Reports for 1934 (page 17) and 1935 (page 20).

**Other Poor Law Relief.** Average numbers chargeable during year :—  
At St. Martin's Hospital (including Infirmary, Mental, and other wards, but not casuals), 446; Children's Homes, 43; Mental Hospitals (Wells and Codford), 208; at Special Schools, 18; Boarded-out Children, 21.

### **Institutional Provision for the Care of Mental Defectives.**

Except for minor changes in the numbers of patients, the position remains as described on page 18 of my Report for 1938.

## **MENTAL TREATMENT.**

Weston Lodge Nursing Home belongs to the City Council and is intended for the treatment of functional nervous disorders in non-certified patients. There are 17 beds, 6 for men and 11 for women. A special room is set aside for occupational therapy.

The 71 patients discharged during 1944 were classified :—

|          |     | Men. | Women. |
|----------|-----|------|--------|
| Cured    | ... | 9    | 28     |
| Improved | ... | 5    | 24     |
| Died     | ... | 1    | 4      |
|          |     | —    | —      |
|          |     | 15   | 56     |
|          |     | —    | —      |

At the Child Guidance Clinic, for which the Mental Treatment Act Committee is jointly responsible with the Education Committee, there were 63 new cases. The total attendances were 424. Details are given on pages 15 and 16 of my 1944 Report as School Medical Officer.

## **MATERNITY AND CHILD WELFARE.**

(For number of births, birth-rates, infant mortality and maternal mortality see pages 11 and 47).

The Maternity and Child Welfare Committee is responsible to the Council for carrying out a comprehensive scheme which includes the following :—Two Ante-natal Clinics (five sessions weekly); one Post-

# CLINICS AND TREATMENT CENTRES

DAYS AND TIMES OF ATTENDANCE. DEC., 1944

|                                       | See<br>also<br>page | Monday                               | Tuesday          | We'n'day             | Thursday | Friday | Saturday |
|---------------------------------------|---------------------|--------------------------------------|------------------|----------------------|----------|--------|----------|
| <b>Infant Welfare</b>                 |                     |                                      |                  |                      |          |        |          |
| Centres:—                             |                     |                                      |                  |                      |          |        |          |
| *Blue Coat House ...                  | 17                  |                                      | 2.30—4           |                      |          | 2.30—4 |          |
| Walcot ...                            | "                   |                                      |                  | 2.30—4               | 2.30—4   |        |          |
| Oldfield Park ...                     | "                   |                                      |                  | 2.30—4               |          |        |          |
| †Southdown ...                        | "                   |                                      | 9.30<br>to 11.15 |                      |          |        |          |
| Odd Down ...                          | "                   |                                      | 2.30—4           |                      |          |        |          |
| <b>Ante-Natal Clinics :</b>           |                     |                                      |                  |                      |          |        |          |
| 45 Rivers Street ...                  | 15                  | 2.30—4                               | 10—12<br>(2.30—4 | 2.30—4               |          | 2.30—4 |          |
| *Blue Coat House ...                  | "                   |                                      |                  |                      |          | 10—12  |          |
| <b>Post-Natal :</b>                   |                     |                                      |                  |                      |          |        |          |
| 45 Rivers Street ...                  | "                   | 1st & 3rd Wednesdays of Month. 10—12 |                  |                      |          |        |          |
| <b>*Maternity &amp; Child Welfare</b> |                     |                                      |                  |                      |          |        |          |
| <b>Dental Clinic</b> ...              | 17                  |                                      |                  |                      |          |        | 10—12    |
| <b>Mothers</b>                        |                     |                                      |                  |                      |          |        |          |
| Special Clinic for ...                | 18                  | ...                                  | ..               | By appointment       | ...      | ...    | ...      |
| <b>Tuberculosis—</b>                  |                     |                                      |                  |                      |          |        |          |
| Dispensary... ..                      | 28                  |                                      |                  |                      | 2—4      | 2—4    |          |
| Artificial Sunlight<br>Treatment ...  | —                   | ...                                  | ...              | By appointment       | ...      | ...    |          |
| <b>Venereal Diseases (R.U.H.)</b>     |                     |                                      |                  |                      |          |        |          |
| Men ... ..                            | 29                  |                                      |                  |                      |          | 5—6.30 | 5—6.30   |
| Women ... ..                          | ...                 |                                      | 5—6.30           |                      |          | 2.30   |          |
| <b>School Clinics—</b>                |                     |                                      |                  |                      |          |        |          |
| *Inspection ... ..                    | ...                 | 10—12                                | 10—12            | —                    | 10—12    | 10—12  |          |
| *Eye ... ..                           | ...                 |                                      |                  | 10.15<br>2.15        |          |        |          |
| *Dental ... ..                        | ...                 | 9.30—5                               | 9.30—5           | 9.30—5               | 9.30—5   | 9.30—5 |          |
| <b>Ear, Nose and Throat :</b>         |                     |                                      |                  |                      |          |        |          |
| *Blue Coat House ...                  | ...                 | 9.30                                 | 9.30             | —                    | 9.30     | 9.30   | 9.30     |
| Royal United Hospital                 | ...                 |                                      |                  |                      |          | 2.0    |          |
| Ear, Nose and Throat<br>Hospital ...  | ...                 | 10.0                                 |                  |                      | 10.0     |        | 10.0     |
| *Minor Ailments Clinic                | ...                 | 2—4.30                               | 2—4.30           | 2—4.30               | 2—4.30   | 2—4.30 | 9.30—11  |
| *Orthopædic<br>After-Care Clinic ...  | ...                 |                                      |                  | 10—12<br>& 2—4       |          |        |          |
| Orthopædic Hospital<br>Massage ...    | ...                 | ...                                  | ...              | Daily by appointment | ...      | ...    | ...      |
| Ultra-Violet rays ...                 | ...                 |                                      | 2.30             |                      | 2.30     |        |          |

\* These Clinics are held at Bluecoat House.

† 2nd and 4th Tuesdays of Month.  
Monthly by appointment.

natal Clinic; Supervision of Midwives under the Midwives Acts; Municipal Midwifery Service (with the Bath District Nursing Association); Maternity Department (with 16 beds at the Royal United Hospital and others at St. Martin's Hospital); Four Health Visitors; Five Infant Welfare Centres (six weekly sessions and one fortnightly); Provision of milk and nutritional substances for mothers and infants; Supervision of Boarded-out children; Dental Service: "Birth Control" Clinic; Facilities for dealing with crippling defects in infants, ophthalmia neonatorum, puerperal pyrexia, and certain other diseases; and two Day Nurseries.

A condensed summary of the work done during 1944 is given below.

**Ante-Natal Clinics.** Figures in brackets are those for 1943.

| Day<br>Time                    |     | Rivers Street                          |        | Blue Coat                |       |
|--------------------------------|-----|--|--------|--------------------------|-------|
|                                |     | Mon., Tues.<br>Wed. and Fri.<br>2.30—4 |        | House<br>Friday<br>10—12 |       |
| Number of Sessions held        | ... | 216                                    | (166)  | 48                       | (50)  |
| Number of new patients         | ... | 733                                    | (676)  | 130                      | (150) |
| Total attendances              | ... | 3862                                   | (3181) | 725                      | (796) |
| Average per session...         | ... | 18                                     | (19)   | 15                       | (16)  |
| Ante-natal home visits by City |     |  |        |                          |       |
| Midwives                       | ... |  | 1842   | (1339)                   |       |

**Post-natal Clinics.** 24 sessions and 254 attendances of patients. As from January, 1945, it was found necessary to have weekly instead of fortnightly sessions to cope with the increasing use being made of the Clinic.

**Ante-Natal and Post-natal supervision by private practitioners.**

See Report for 1938, page 21. Number of claims during 1944 . 56 for ante-natal examinations; 2 for post-natal.

## MIDWIVES.

During 1944 the number of midwives signifying their intention to practise in the City was 48. Of these, 24 worked solely in Hospitals and 8 in connection with nursing associations. Of the 17 private midwives (some in nursing homes), five had 77, 66, 62, 55 and 42 cases respectively; three had 23, 18 and 17 cases; and the remainder less than 10 each.

The number of confinements attended by all midwives was 1,670—last year it was 1,336.

Live births registered numbered 1,633.



Altogether, a doctor was called in under the Rules of the Central Midwives Board on 198 occasions for various emergencies in connection with births and miscarriages. These emergencies may be grouped as follows: Complications of labour, 105; Ante-natal conditions, 52; Post-natal condition of mother, 13; Unsatisfactory condition of child, 28.

**City Midwives.** The staff attended 249 cases during 1944 (213 in 1943). The net cost to the City for year ended 31st March, 1945, was £1,169 (£945 in previous year).

**Medical Practitioners called in by Midwives.** Liabilities under Section 14 of the Midwives Act, 1918, during the year ended 31st March, 1945, were £498 and the amount recovered from patients, £286.

### MATERNITY BEDS.

The City Council has the right to nominate patients to 16 beds in the Royal United Hospital. In addition Bath patients are admitted to the maternity wards at St. Martin's Hospital by arrangement with the Social Welfare Committee and during 1944 395 births took place there. Maintenance charges paid to the Royal United Hospital during 1944 came to £4,136 and at St. Martin's to £2,375. Fees recovered from patients in the year ending 31st March, 1945, amounted to £3,726.

The Royal United Hospital figures for 1944 are as follows:—

|                                   | 1944      | 1943   |
|-----------------------------------|-----------|--------|
| * Number of new patients admitted | 320       | 299    |
| Number of primipara included      | 153       | 190    |
| Number of readmissions            | —         | 5      |
| Number of confinements            | 317       | 298    |
| Number of "patient-days"          | 5357      | 4883   |
| Ante-natal                        | 877       | 869    |
| Confinement and after             | 4480      | 4014   |
| Total available                   | 5856      | 5840   |
| Proportion actually used          | 91%       | 84%    |
| Maternal deaths                   | 0         | 1      |
| Stillbirths                       | 10        | 10     |
| Deaths of infants within 10 days  | 6         | 4      |
| Weekly maintenance rate           | £4 18 10½ | £4 6 4 |

\* This figure refers to individual mothers admitted for the first time (for that pregnancy) during the year. They were not necessarily confined during the year.

The figures given above are taken from Health Office records. They may differ slightly from those of the Hospital.

Patients admitted within three days of birth of child are not considered as having had ante-natal treatment. Otherwise, treatment is counted as ante-natal up to the day before birth.

According to the Hospital statistics midwives are responsible for actual deliveries in about three-quarters of all our cases.

**Maternal Mortality.** One death occurred, giving a rate of 0·73 per 1,000 total (live and still) births. Average 5 years, 1940-44 :—Bath, 2·23 ; England and Wales, 2·41. The fatal case occurred at a hospital as a result of a pulmonary embolism.

### INFANT WELFARE CENTRES.

For days and times see page 14. Figures for 1944 are as follows :—

|  | Blue Coat<br>House | Walcot | Twerton | South-<br>down | Odd<br>Down |
|--|--------------------|--------|---------|----------------|-------------|
| Numbers of sessions ...                          | 93                 | 94     | 46      | 20             | 46          |
| Attendances of children ...                      | 3919               | 3281   | 1465    | 444            | 1288        |
| New cases included in above                      | 466                | 259    | 262     | 51             | 115         |
| Average attendance of infants<br>per session ... | 42·1               | 34·9   | 31·8    | 22·2           | 28·0        |

The attendances recorded above are those in which the child was seen by the doctor. The table shows that there were 10,397 consultations at 299 sessions, an average of 34·8 per session. (In 1943, the figures were 9,218 ; 301 ; and 30·6). In addition, there were 5,177 visits of infants for weighing, renewal of milk applications, and so forth, for whom a consultation with the doctor was not necessary.

### SUPPLY OF MILK TO MOTHERS AND CHILDREN.

Although large quantities of milk are distributed free, or at reduced prices, under the Government scheme, a demand for various special types of dried milk continues and about 10 $\frac{3}{4}$  tons were distributed through the Infant Welfare Centres. Most of this was paid for at cost price by the mothers and all of it was sanctioned by the medical officers.

**Dental Service.** There was no change in the general arrangements. 191 new and 46 old maternity patients made 1,012 attendances at 91 sessions. In addition, 10 children under school age made 13 attendances.

**Health Visitors.** There was no change in the general arrangements. The figures for 1944 are : Visits to children under one year, 5,944 ; between one and five, 5,798 ; others 2,207 ; total 13,949.

**Child Life Protection.** (Part VII of Public Health Act, 1936).

| Number of Names                 | Foster Parents | Children |
|---------------------------------|----------------|----------|
| On Register at end of 1943 .... | 57             | 83       |
| Added during the year ....      | 17             | 69       |
| Removed during the year ...     | 19             | 74       |
| On Register December 31st, 1944 | 55             | 78       |

**Orthopædic Treatment.** The Maternity and Child Welfare Committee were responsible for the in-patient treatment of 7 cases, for 535 attendances at the After-care Clinic, and 402 at the Massage Clinic. See also pages 11 and 12 of my Report as School Medical Officer.

### Nursing and Maternity Homes.

| 1944                        | Nursing<br>Homes<br>only | Maternity<br>Homes<br>only | Combined<br>Nursing &<br>Maternity |
|-----------------------------|--------------------------|----------------------------|------------------------------------|
| Homes removed from Register | .... 1                   | 0                          | 0                                  |
| Homes added to Register     | .... 0                   | 0                          | 1                                  |
| Leaving at end of year...   | .... 7                   | 2                          | 9                                  |

One Home changed hands and was reclassified on permission being given to admit maternity as well as other patients. No appeals.

**"Birth Control" Clinic.** 26 cases attended the Clinic.

**Adoption of Children Act, 1926.** 28 cases were investigated. 22 orders were granted unconditionally; 4 interim orders were made for various periods and later (in 1944 or 1945) granted unconditionally; 1 was adjourned and granted in 1945; and in 1 other, interim orders for three months and later for a further twelve months were made. 25 applications were made jointly by husband and wife; 1 applicant was a single woman; and in 2 cases the wife of the applicant was under 25 years of age. 12 of the children were under one year; 14 between 1 and 9; and 2 others were 10 and 16 years respectively. 4 of them were legitimate and 24 illegitimate. In 11 cases the child was related to the applicants.

**Care of Illegitimate Children.** The arrangements described in my last Report were continued with a large measure of success during 1944 and in this connection a second social worker (Miss Hawkins) was appointed in July to assist Miss Bushell in her duties. To produce an illegitimate infant must be considered as an asocial act, but the Ministry's Circular No. 2866, without condoning it, recognises the great importance of sparing no effort to ensure the welfare of the child and the rehabilitation of the mother. The Maternity Committee is greatly interested in this matter and is doing its best in a variety of ways to mitigate the hardships which seem to be inevitable in so many cases.

There is one aspect of the problem to which no satisfactory solution has yet been found—the adequate provision of residential accommodation for mothers, or infants, or both. Many houses have been considered and inspected, but so far none has proved suitable. It is now, however, the declared policy of the Committee to provide such accommodation as soon as it becomes practicable to do so.

**Premature Infants.** Careful attention was given to the points raised in the Ministry's Circular 20/44. At the Royal United Hospital arrangements were put in hand for the provision early in 1945 of special accommodation and treatment for premature babies, including four cots with thermostatically controlled heating and other necessary equipment and the employment of a specially trained nursing staff. At St. Martin's Hospital similar cots are made available on a rental basis whenever they are needed.

The District Midwives do everything in their power to ensure the welfare of premature infants born at home, having regard to modern methods. Amongst the 249 cases attended by them in 1944 there were no deaths attributed to prematurity.

**Day Nurseries.** Two war-time Day Nurseries were available throughout the year—the one on the Lower Common continuously. The temporarily occupied premises at 22 New King Street were closed on August 5th and immediately replaced under much more satisfactory conditions by No. 3, Beaufort East, which had been specially adapted for the purpose. Mrs. Hunt, the Matron who is in charge of both nurseries, and her combined staff of about 20 assistants, deserve to be congratulated on the excellent work they have done. The Nurseries are recognised for training purposes and several examination successes have been achieved by our own students.

Some figures for 1944 are as follows:—

|                                | Accommodation. | Average daily attendance. |
|--------------------------------|----------------|---------------------------|
| Lower Common ...               | 40             | 37                        |
| 22 New King St. (to 5.8.44)    | 30             | 26                        |
| 3, Beaufort East (from 8.8.44) | 40             | 30                        |

## Section C.

### SANITARY CIRCUMSTANCES OF THE AREA.

**Water.** The water supply throughout the year was excellent in quality.

As in other parts of the country, however, the prolonged and abnormal drought led to considerable anxiety in regard to quantity and it was necessary to forbid the use of water for gardens and for washing cars during the whole of 1944. From October 12th the supply was cut off between 8 p.m. and 7 a.m., but a timely improvement in the rainfall allowed the full domestic supply to be resumed after a week's interruption.

All water is sterilised and a very careful watch is kept on its purity by means of regular and frequent analyses. Treated water is examined bacteriologically every fortnight and submitted to full chemical analysis quarterly at each of several sources. Raw waters are tested bacteriologically at monthly intervals. The treated waters have proved to be uniformly satisfactory and were practically sterile on all occasions.



The following analysis of a sample of treated water taken from Monkswood main on May 18th, 1945, is typical:—

Chemical Analysis.

|  | Parts per<br>100,000 |  | Parts per<br>100,000 |
|--|----------------------|--|----------------------|
| Saline Ammonia....   | 0.0398               | Earthy Carbonates  | 19.5                 |
| Albuminoid Ammonia   | .0064                | Earthy salts not Carbonates                                  | 3.5                  |
| Nitrogen as Nitrate  | .273                 | Hardness   | 24.0                 |
| Nitrites   | Absent.              | Poisonous metals   | Absent               |
| Chlorine as Chloride                                       | 1.6                  | pH value   | 7.8                  |
| Dissolved Solids   | 32.                  | Free Chlorine  | .10 p.p.M.           |
| Oxygen absorbed from<br>Permanganate in 4 hrs.<br>at 80°F. | .... .028            | Sediment: Very small, CaCO <sub>3</sub><br>vegetable debris. |                      |

Bacteriological Analysis.

|                                |      |                      |
|--------------------------------|------|----------------------|
| Organisms on Gelatine at 22°C. | .... | 0 per c.c.           |
| Organisms liquifying Gelatine  | .... | 0 „ „                |
| Organisms on Agar at 37°C.     | .... | 6 „ „                |
| B. Coli.                       | .... | Absent from 100 c.c. |
| B. Welchii                     | .... | Absent.              |

Bath water has no appreciable plumbo-solvent action and no special measures were required in respect of contamination from this or any other source.

With very few exceptions—less than one per cent.—all Bath houses have a piped supply from the Council's mains.

During 1944 work was carried out which led to a considerable augmentation of the Midford supplies. This water is pumped into the mains direct and now contributes probably a fifth or a quarter of the total consumption.

## Section D.

### HOUSING.

In my last Report I made some detailed comments about the very unsatisfactory conditions under which so many Bath families were living in 1943. They are equally applicable to 1944—indeed in some respects the position became worse, rather than better. Housing, however, is universally recognised as being a national problem of the first importance which cannot be solved till after the war is ended, but which must then be given immediate and urgent priority. Plans have been prepared and a certain amount of preliminary work carried out locally in the reasonable expectation that the tide will have begun to turn before the end of 1945.



(A). INDIVIDUAL UNFIT HOUSES. Details of action taken are given in the following table.

## HOUSING STATISTICS

No new houses erected during the year 1944.

### 1. *Inspection of Dwelling-houses during the year :—*

|         |  |      |
|---------|--|------|
| (1) (a) | Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ..   | 1518 |
| (b)     | Number of inspections made for the purpose ...   | 2432 |
| (2) (a) | Number of dwelling-houses (included under sub-head (1) above), which were inspected and recorded under the Housing Consolidated Regulations, 1925 ... ..           | 8    |
| (b)     | Number of inspections made for the purpose ...   | 31   |
| (3)     | Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ..                                    | 33   |
| (4)     | Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation ... .. | 361  |

### 2. *Remedy of Defects during the year without Service of formal Notices :—*

|  |     |
|--|-----|
| Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... .. | 340 |
|--|-----|

### 3. *Action under Statutory Powers during the year :—*

(a.) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:

|     |  |   |
|-----|--|---|
| (1) | Number of dwelling-houses in respect of which notices were served requiring repairs ... .. | 1 |
| (2) | Number of dwelling-houses which were rendered fit after service of formal notices :—       |   |
| (a) | By owners ... ..   | 1 |
| (b) | By local authority in default of owners ... ..   | — |

*Continued on next page.*

## (b) Proceedings under Public Health Acts :

|  |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|
| (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied | ... | ... | ... | ... | ... | 372 |
| (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—        |     |     |     |     |     |     |
| (a) By owners  | ... | ... | ... | ... | ... | 24  |
| (b) By local authority in default of owners  | ... |     |     |     |     | —   |

## (c.) Proceedings under sections 11 and 13 of the Housing Act, 1936 :

|  |     |     |     |     |   |
|--|-----|-----|-----|-----|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made... | ... | ... | ... | ... | 1 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders       | ... | ... | ... | ... | 2 |

(Undertakings accepted in lieu of Demolition Orders, 4)

## (d.) Proceedings under section 12 of the Housing Act, 1936 :

|   |     |     |     |     |     |   |
|---|-----|-----|-----|-----|-----|---|
| (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made  | ... | ... | ... | ... | ... | 8 |
| (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit | ... | ... | ... | ... | ... | — |

4. *Housing Act, 1936—Overcrowding.*

|  |     |     |     |     |     |     |
|--|-----|-----|-----|-----|-----|-----|
| (a)—(i) Number of dwellings overcrowded at the end of the year   | ... | ... | ... | ... | ... | 107 |
| (ii) Number of families dwelling therein   | ... | ... | ... | ... | ... | 117 |
| (iii) Number of persons dwelling therein   | ... | ... | ... | ... | ... | 570 |
| (b)—Number of new cases of overcrowding reported during the year   | ... | ... | ... | ... | ... | 63  |
| (c)—(i) Number of cases of overcrowding relieved during the year   | ... | ... | ... | ... | ... | 40  |
| (ii) Number of persons concerned in such cases   | ... | ... | ... | ... | ... | 201 |
| (d)—Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding | ... | ... | ... | ... | ... | —   |

*Continued on next page.*

- (e)—Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report.

### (B). UNHEALTHY AREAS.

As far as actual achievement since 1933 is concerned, the position at the end of 1944 in regard to the confirmed areas was as follows:—

|                             |       | At end of<br>1943 | During<br>1944 | At end of<br>1944 |
|-----------------------------|-------|-------------------|----------------|-------------------|
| No. of persons displaced    | .. .. | 1228              | 4              | 1232              |
| „ „ „ awaiting displacement |       | 72                | —              | 68                |
| „ „ houses demolished       | .. .. | 233               | 53             | 286               |
| „ „ „ to be demolished      | .. .. | 163               | —              | 110               |

(C). OVERCROWDING. The official figures for 1944 are to be found above.

## Section E.

Inspection and Supervision of Food. See pages 36 to 41.

## Section F

### INFECTIOUS DISEASES

An analysis of notifications received and cases removed to hospital during 1944 in relation to the age and sex of the patients is given on page 46. On page 7, notifications, attack rates, deaths and death-rates, of the principal diseases are summarised and the figures compared with similar ones for previous years. Further details in regard to particular diseases are given below.

We were remarkably free from anxiety in regard to infectious disease during 1944. One death each was attributed to diphtheria, whooping cough, cerebro-spinal fever, and poliomyelitis, and two to erysipelas, but none to scarlet fever, measles, or puerperal fever; and no one was known to have suffered from enteric fever, small-pox, malaria, or dysentery.

**Diphtheria.** The number of cases notified was 40 compared with 80 in 1943, 78 in 1942, and an average of 100 for the 5 previous years. There was 1 death. As far as we know, 2 immunised children under 15 suffered from diphtheria—they both did well.

**IMMUNISATION.** The position at the end of 1944 was as follows :—

| Immunised.             | Under 5. | 5—15 years. |
|------------------------|----------|-------------|
| Prior to January, 1940 | .... 408 | .... 816    |
| January—December, 1940 | .... 34  | .... 130    |
| During 1941            | .... 541 | .... 1149   |
| „ 1942                 | .... 825 | .... 1288   |
| „ 1943                 | .... 613 | .... 682    |
| „ 1944                 | .... 659 | .... 271    |
| <b>Total</b> 7416      | 3080     | 4336        |

These figures indicate that we had dealt with about 51% of the estimated child population. Regular clinics continue to be held. We are now using two injections of A.P.T.

**Scarlet Fever.** The number of cases notified was 134 (182 in 1943).

Most of the cases were of a mild type and there were no deaths.

**Enteric or Typhoid Fever.** No notifications were received.

**Small-pox.** No cases. For hospital arrangements see Report for 1938.

**Puerperal pyrexia.** 10 notifications. 9 patients received treatment at St. Martin's Hospital and 1 at home. There were no deaths.

**Cerebro-spinal Fever.** 4 Bath patients were notified and there was one death. One patient was treated at the Isolation Hospital; 2 at the Royal United Hospital; and 1 at home (died).

**Measles.** 21 cases were notified with no deaths.

**Whooping Cough.** 61 cases were notified and there was 1 death.

**CASES OF INFECTIOUS DISEASE NOTIFIED, ADMISSIONS TO HOSPITAL, AND DEATHS DURING THE YEAR 1944.**

| Disease.                | Total Cases<br>Notified. | Cases<br>admitted to<br>Hospital. | Total<br>Deaths |
|-------------------------|--------------------------|-----------------------------------|-----------------|
| Scarlet Fever           | 134                      | 114                               | —               |
| Diphtheria              | 40                       | 43*                               | 1               |
| Enteric Fever           | —                        | —                                 | —               |
| Puerperal Pyrexia       | 10                       | 9                                 | —               |
| Pneumonia               | 26                       | 5                                 | 1               |
| Erysipelas              | 24                       | 8                                 | 2               |
| Ophthalmia Neonatorum   | 13                       | 11                                | —               |
| Measles                 | 21                       | 5                                 | —               |
| Whooping Cough          | 61                       | 12                                | 1               |
| Cerebro-Spinal Fever    | 4                        | 3                                 | 1               |
| Acute Poliomyelitis     | 1                        | 1                                 | 1               |
| Acute Polioencephalitis | 1                        | 1                                 | —               |

\* Including 4 "carriers."

An analysis of cases under age groups will be found on page 46. and for deaths on pages 44 and 45.

## LABORATORY WORK.

For general arrangements see 1938 Report, pages 14 and 42. Pathological examinations during 1944 were as follows :—

| Examinations                       | Positive. | Negative. | Total. |
|------------------------------------|-----------|-----------|--------|
| <i>bc</i> Diphtheria Bacillus .... | 26        | 568       | 594    |
| <i>ab</i> Gonococcus ....          | ....      | ....      | 116    |
| <i>b</i> Trichomonas ....          | 11        | 26        | 37     |
| <i>a</i> Wassermann Reaction ....  | ....      | ....      | 619    |
| <i>bc</i> Widal tests ....         | ....      | ....      | 6      |
| <i>bc</i> Faeces ....              | ....      | ....      | 1      |
| <i>bc</i> Tubercle Bacillus—sputum | 33        | 124       | 157    |
| <i>d</i> Ringworm Fungus ....      | ....      | ....      | *      |
| <i>bc</i> Spinal fluid ....        | ....      | ....      | 3      |
| <i>bc</i> Analysis of Urine ....   | ....      | ....      | 155    |
| <i>bc</i> Blood ....               | ....      | ....      | 20     |
| <i>bc</i> Others ....              | ....      | ....      | 30     |

*a* Bristol University Department of Preventive Medicine:

*b* Bath Central Laboratory.

*d* School Clinic.

*c* St. Martin's Hospital.

\* Exact numbers not available.

## ISOLATION HOSPITAL

Hospital Statistics. January 1st to December 31st, 1944

| Cases admitted as :      | City | Number. |         |   | Deaths. |       |         |
|--------------------------|------|---------|---------|---|---------|-------|---------|
|                          |      | Rural   | Service |   | City    | Rural | Service |
| Diphtheria ...           | 39   | 1       | 5       | — | —       | —     | —       |
| Scarlet Fever ...        | 114  | 19      | 1       | — | —       | —     | —       |
| Diphtheria Carriers ...  | 4    | —       | 1       | — | —       | —     | —       |
| Observation ...          | 12   | 2       | 1       | — | —       | —     | —       |
| Chicken-pox ...          | 8    | 1       | 3       | — | —       | —     | —       |
| Measles ...              | 4    | 1       | —       | — | —       | —     | —       |
| Cellulitis ...           | 1    | —       | —       | — | —       | —     | —       |
| Pemphigus Neonatorum     | 2    | —       | —       | — | —       | —     | —       |
| Erysipelas ...           | 7    | —       | 1       | 1 | —       | —     | —       |
| Tuberculosis (pulmonary) | 32   | —       | 3       | 2 | —       | —     | —       |
| Tuberculosis (other) ... | 3    | —       | —       | — | —       | —     | —       |
| Nasal sepsis ...         | —    | 1       | —       | — | —       | —     | —       |
| Streptococcal infection  | 2    | —       | —       | — | —       | —     | —       |

*Continued on next page.*



|                      |     | City | Rural | Service | City | Rural | Service |
|----------------------|-----|------|-------|---------|------|-------|---------|
| Whooping Cough       | ... | 12   | 1     | —       | 1    | —     | —       |
| Mumps                | ... | 7    | —     | 2       | —    | —     | —       |
| Cerebro-spinal fever | ... | 1    | —     | 1       | —    | —     | —       |
| Tonsillitis          | ... | 2    | 1     | —       | —    | —     | —       |
| Gastro-enteritis     | ... | 1    | —     | —       | —    | —     | —       |
| German Measles       | ... | 5    | —     | 1       | —    | —     | —       |
|                      |     | —    | —     | —       | —    | —     | —       |
| Totals               | ... | 256  | 27    | 19      | 4    | —     | —       |

Owing to adjustment in regard to diagnosis these figures may not agree exactly with those on page 46. 1944 : Number of "patient-days" 9,559; average daily number in hospital 26.1; monthly average—maximum 49, minimum 14.

On three occasions mumps, scarlet fever, or chicken pox were introduced from outside.

Patients admitted by request from other hospitals, 62; from hostels, schools, service units or hotels, 9.

It will be seen that altogether 35 patients suffering from tuberculosis were admitted during 1944. In view of the increasing shortage of sanatorium beds this proved to be a very valuable contribution to our needs. Unfortunately it was becoming clear by the end of the year that difficulties were likely to arise which might interfere with the continuance of this kind of treatment at the Isolation Hospital.

## CANCER

The preparation of an approved scheme under the Cancer Act is set about with many difficulties under war conditions and although definite progress was made during 1944 negotiations were still proceeding at the end of the year. Meetings and consultations were held with various interested bodies, including the other Authorities in the area (i.e., the counties of Gloucestershire, Somerset and Wiltshire and the County Boroughs of Bristol and Gloucester), the Radiological Committee at the Bristol General Hospital, the Faculty of the University and the Royal United Hospital. In the meantime many of the facilities to be incorporated in the final scheme are already available and others are being developed.

The weekly sessions of the radiological out-patient clinic which is staffed from the Bristol Radium Centre, continued to be held throughout the year. There were 181 new patients and 622 attendances. Approximately half of the patients came from Bath and half from Wiltshire and Somerset. Bath patients needing radium or deep ray therapy received it as follows:—at Royal United Hospital (out-patient, deep-ray only) 4; at Bristol, in-patients 17, out-patients 27; at Kewstoke, in-patients 11.

In addition to the arrangements just described, the City Council has for many years provided assistance in the form of home nursing, dressings, disinfectants and so forth. Home Nursing undertaken by the staff of the District Nursing Association was paid for by the Council for 9 patients during 1944, the number of visits varying from 4 to 77, and totalling 434. 7 patients received dressings and disinfectants.

## BLIND PERSONS

Number on Register 31st March, 1945, 162. About three-fifths were in receipt of assistance from the City Council, and 20 were in Homes or Institutions. The net cost to the City, after deducting £442 for sale of articles made at the workshop, was £6,588.

For further details see separate report published by the Bath Society for the Blind.

## TUBERCULOSIS

The general arrangements described on pages 47 to 50 of my 1938 Report remain without material alteration. In Dr. Campbell's absence on active service the clinical duties at the Dispensary continued to be carried out by Dr. Ian Gordon and Mrs. Hutchinson and we are much indebted to them for the great interest they have taken in this work.

There was an increasing shortage of sanatorium beds and at the end of the year the position seemed to be getting worse rather than better. Staffing difficulties, both nursing and domestic, are the chief cause and they can be overcome only by efforts on a national scale to induce more people to take up this type of service. In this connection more attention is properly being paid to the general question of the health and well being of nurses in hospitals and sanatoria.

Mass Radiography was under discussion and arrangements were in hand for the unit belonging to the Bristol Corporation to be brought to Bath for the examination early in 1945 of several thousand government employees stationed in the city. Important though such examinations can be, it is obvious that the existing lack of sanatorium beds must for the present have a restrictive effect on their value.

Assistance continued to be given in suitable cases under the scheme introduced by the Government in 1943 (Memo. 266/T). This scheme is a definite step forward in the national campaign against tuberculosis and will in due course provide the necessary experience on which to base extensions. At present it is sometimes invidious in its effect because of the inherent difficulties in deciding when to give and when to withdraw the allowances, having regard on the one hand to the needs of the patient and on the other to the conditions laid down in the Circular. By using reasonable discretion however, and with the sympathetic co-operation of the Social Welfare Committee, these difficulties have been overcome. At the end of the year 24 patients were in receipt of allowances (36 at the end of 1943).

There were 40 deaths from pulmonary and 5 from other forms of tuberculosis (37 and 7 in 1943). Notifications numbered 76 pulmonary and 8 from other forms (75 and 9 in 1943). Number of cases on the Register of Notifications end of 1944, 359 (337 in 1943).

An analysis of notifications according to age and sex is given on page 7, and a similar analysis of deaths on page 44.

**The Dispensary.** Two, and sometimes three, sessions are held each week at 26 Charles Street.

|   |     |     |     |      |
|---|-----|-----|-----|------|
| Patients referred to Dispensary for examination   | ... | ... | ... | 353  |
| Found tuberculous                                 | ... | ... | 57  |      |
| Contacts examined                                 | ... | ... | ... | 104  |
| Found tuberculous                                 | ... | ... | 4   |      |
| Total attendances, including above                | ... | ... | ... | 1298 |
| Tuberculosis Officer's visits to patients at home | ... | ... | ... | 4    |
| X-ray examinations                                | ... | ... | ... | 425  |

Milk was distributed at the Council's expense to 35 individual patients in 1944. The cost for the year ended 31st March, 1945, was £65.

A whole time Tuberculosis Health Visitor is engaged in visiting patients at their homes and in assisting the doctor at the Dispensary.

**Sanatorium Treatment.** Discharges from:—Winsley, 28; fit for work 2, improved 23, not improved 3. Patients also received treatment at Bath and Wessex Children's Orthopaedic Hospital; Dorset Red Cross Children's Hospital at Swanage; St. Michael's Home at Axbridge; Kewstoke E.M.S. Hospital; British Legion Village; St. Joseph's Hospice; Beckford Orthopaedic Hospital, near Warminster; Ivy Bank Hospital, Devon; and the Royal Sea-Bathing Hospital.

Artificial pneumothorax refills are done by arrangement at the Winsley Sanatorium. During 1944, 36 individual patients had 391 refills.

## VENEREAL DISEASES

A large number of persons in the age groups in which venereal disease is most prevalent are now in the Services so that comparisons between recent statistics and those obtained before the war tend to be unreliable. This difficulty scarcely arises however in connection with figures relating to the last two or three years and these certainly suggest that the incidence among the resident population is now declining rather than increasing. If this is true and if we consider also that much more effective methods of treatment are becoming available we may well feel that there are reasonable grounds for satisfaction. It is interesting to note that less than half those seeking advice are found to be suffering from venereal disease.

Notifications of sixteen more persons supposed to have infected others were received by me under Regulation 33B. One of these was notified twice but legal action was not necessary because I was able to deal with the case on a voluntary basis. My own view of this Regulation is that while it inflicts no hardship or injustice of any kind on anybody and is of definite value in a certain proportion of cases, its effectiveness is much restricted unless welfare workers with special training and experience are available. In most places they are not. We do our best to get in touch unofficially with all persons who can be identified—the information given is sometimes too vague to make this possible—in order to urge the vital importance of treatment if infection is, in fact, present.

|  | 1944 | 1943 | Average<br>1936-40 |
|--|------|------|--------------------|
| Number of new patients ...                   | 83‡  | 92   | 66                 |
| *Total number of out-patient attendances ... | 1491 | 1315 | 1163               |
| †Average cost of each attendance ...         | 6/2  | 6/6  | 7/1                |
| Total number of "in-patient" days ...        | 29   | 7    | 21                 |

NOTES:—\**i.e.*, seen by Medical Officer—not 'intermediate treatment.' The number of irrigations was 622 (481 in 1943).

†Year ended 31st March, following.

‡Syphilis, 17; Gonorrhœa, 18; Soft Chancre, 0; Not Venereal, 48.

All the above figures refer to Bath only. For details as to the number of pathological examinations made, see page 25. A very small number of Bath patients treated at Clinics elsewhere are not included.

The activities of the local Branch of the British Social Hygiene Council were to some extent in abeyance during the year pending a reorganisation of the work.

## LOCAL GOVERNMENT SUPERANNUATION ACT, 1937

Number of medical examinations in 1944 was 53. See also page 51 of my 1938 Report.



# ANNUAL REPORT

## OF THE

### Chief Sanitary Inspector

### For the Year 1944.

TO HIS WORSHIP THE MAYOR AND TO THE ALDERMEN  
AND COUNCILLORS OF THE CITY OF BATH.

LADIES AND GENTLEMEN,

I have pleasure in presenting my Annual Report on the sanitary administration of the City for the year 1944.

At the outset I must be candid and state that I am unable to report that the sanitary conditions of the City are satisfactory. Far too many houses which are unfit for human habitation are still used for such purpose and in addition to sanitary defects are in many cases overcrowded. The explanation is obvious but it is of vital importance that the Council should embark on a bold housing policy with the minimum of delay and so remove the potential danger to health which is being aggravated month by month.

The distribution of milk in bottles is also a serious matter and on several occasions I have been obliged to take the matter up strongly with the persons responsible. I am of opinion that the use of bottles should be abolished and waxed cartons and other suitable containers substituted in place thereof. I am fully aware of certain disadvantages in their use but on the other hand consider there would be less possibility of contamination.

Support was again given to the Ministry of Agriculture's National Milk Testing Scheme and 802 samples were taken on their behalf.

The existing anomaly whereby farmers may dispose of animals re-acting to the Tuberculin-Test without notifying the local authority was evident in a case dealt with in 1944. (See page 38).

The number of houses in the City now without a main supply of water or a water-carriage system of sewage disposal is very small.

War-time conditions have resulted in a large number of people keeping pigs or poultry and on the whole they have done so without creating serious nuisance.

Particular attention was again given to the conditions under which food is prepared and manufactured and although the number of cases of adulteration was nearly double that of the preceding year, such increase is mainly accounted for by a series of milk samples which were the subject of special investigation and the examination of various foodstuffs at a canteen.



Good progress was made in connection with rat-repression. There was good co-operation with the officers of the Ministry of Food and arrangements were made to carry out a systematic treatment of sewers. (This has since been completed).

Miss K. E. Bellerby who had been engaged as a Sanitary Inspector since 1st March, 1943, resigned on the 8th July, 1944, having secured an appointment in Scotland. Miss N. Grey (Swansea) was appointed to fill the vacancy and commenced duties on the 1st January, 1945.

It again gives me pleasure to express my sincere thanks for the valued help I received throughout the year from the chairmen and members of the Health and Housing Committees and particularly to Dr. Blackett whose counsel at all times has been much appreciated. I am also deeply indebted to all members of the staff for their loyalty and support throughout a busy year.

I remain, Ladies and Gentlemen,

Yours faithfully,

A. TYLER,

*Chief Sanitary Inspector.*

*Bath, July, 1945.*

## SECTION I.

## SUMMARY OF HOUSING, SANITARY WORK, ETC.

No. of inspections and re-inspections in connection with:—

## HOUSING.

|   |                 |       |     |
|---|-----------------|-------|-----|
| Housing Act, 1936. Sec. 9-12.             | Inspections     | ...   | 161 |
| " " " " "                                 | Re-inspections  | ...   | 136 |
| " " " " "                                 | Re-overcrowding | ...   | 236 |
| Council House applications                | ...             | ...   | 931 |
| Houses of prospective tenants             | ...             | ...   | 68  |
| Council Houses                            | ...             | ...   | 922 |
| Houses inspected under P.H.A., Insp. 435. | Re-insp. 778    | 1,213 |     |
| War Damaged Houses                        | ...             | ...   | 618 |

Total 4,285

A further survey of the whole City was carried out and the various properties proposed to be included in the post-war slum clearance programme were classified in order of priority for clearance. So far there is no official indication of any drastic changes in the law relating to procedure in respect of slum clearance and the classification has therefore been based on the assumption that the present procedure will be continued.

## GENERAL.

|   |     |     |      |
|---|-----|-----|------|
| Common Lodging Houses                                 | ... | ... | 9    |
| Drain testing   | ... | ... | 303  |
| Drainage investigations                               | ... | ... | 837  |
| Food and Drugs Sampling                               | ... | ... | 280  |
| Infectious Disease                                    | ... | ... | 206  |
| Keeping of Animals or Poultry                         | ... | ... | 98   |
| Mortuaries  | ... | ... | 12   |
| Offensive Trades                                      | ... | ... | 16   |
| Places of Public Entertainment                        | ... | ... | 13   |
| Provision of Dustbins                                 | ... | ... | 56   |
| Provision of Sanitary accommodation                   | ... | ... | 101  |
| Public Conveniences                                   | ... | ... | 267  |
| Rats and Mice (incl. 3335 visits by Rodent Operators) | ... | ... | 3765 |
| Scabies   | ... | ... | 5    |
| Smoke nuisances—industrial                            | ... | ... | 15   |
| " " —domestic   | ... | ... | 12   |
| Static Water Tanks                                    | ... | ... | 75   |
| Swimming Baths  | ... | ... | 19   |
| Tents, Vans and Sheds                                 | ... | ... | 21   |
| Vermin—in Corporation houses                          | ... | ... | 14   |
| " " Private houses                                    | ... | ... | 150  |
| Water Supplies  | ... | ... | 21   |

Total 6,293

## CIVIL DEFENCE.

|  |       |     |
|--|-------|-----|
| Air Raid Shelters (exc. visits by Shelter Supt.) | ...   | 315 |
| Decontamination (Food and Clothing)              | ...   | 194 |
|  | Total | 509 |

Messrs. W. T. Blake, G. W. Dhenin and R. W. L. Read, all qualified instructors, again rendered valuable service in connection with Food Treatment and Decontamination of Clothing Services.

I had the honour to give six lectures at the Civil Defence Regional Training School.

**Complaints :** (excluding complaints *re* food).

|                           |     |     |     |      |
|---------------------------|-----|-----|-----|------|
| Received and investigated | ... | ... | ... | 1039 |
|---------------------------|-----|-----|-----|------|

**Notices Served :**

|                                       |       |    | Informal | Formal |
|---------------------------------------|-------|----|----------|--------|
| Housing Act, 1936                     | ..    | .. | 8        | 6      |
| Public Health Act, 1936               | ..    | .. | 560      | 24     |
| Rats and Mice (Destruction) Act, 1919 | ..    |    | 224      | —      |
|                                       | Total |    | 792      | 30     |

**Works completed, Nuisances abated, etc.**

|   |    |    |     |
|---|----|----|-----|
| Animals—nuisances from keeping of,              | .. | .. | 41  |
| Chimneys repaired                               | .. | .. | 16  |
| Dampness remedied                               | .. | .. | 60  |
| Doors repaired or renewed                       | .. | .. | 43  |
| Drains repaired, unstopped or reconstructed     | .. |    | 318 |
| Dustbins provided                               | .. | .. | 33  |
| Firegrates repaired or renewed                  | .. | .. | 34  |
| Floors repaired..                               | .. | .. | 123 |
| General internal repairs                        | .. | .. | 9   |
| Inspection chambers reconstructed               | .. | .. | 11  |
| New Gullies fixed                               | .. | .. | 38  |
| Offensive accumulations removed                 | .. | .. | 95  |
| Overcrowding abated                             | .. | .. | 40  |
| Plaster repaired                                | .. | .. | 84  |
| Premises disinfected                            | .. | .. | 268 |
| „ disinfested                                   | .. | .. | 94  |
| „ rat-proofed                                   | .. | .. | 151 |
| Rainwater pipes and gutters repaired or renewed | .. |    | 132 |
| Roofs repaired..                                | .. | .. | 127 |
| Rooms cleansed or redecorated                   | .. | .. | 171 |
| Sewers cleansed or repaired                     | .. | .. | 35  |
| Sinks provided (replacements 37, additional 16) | .. |    | 53  |
| Soil and Vent pipes repaired or renewed         | .. | .. | 1   |
| Stairs repaired..                               | .. | .. | 20  |

|   |      |
|---|------|
| Walls and ceilings repaired .. ..                   | 67   |
| Waste-pipes renewed, repaired or reconstructed ..   | 96   |
| Waterclosets repaired or renewed (70). Additional 9 | 79   |
| Watercloset cisterns repaired or renewed ..         | 50   |
| Water services repaired (19) Additional provided 20 | 39   |
| Windows repaired .. ..                              | 76   |
| Yard paving repaired or relaid .. ..                | 34   |
| Miscellaneous .. ..                                 | 4    |
| Total   | 2442 |

### Disinfection.

|                       | No. of<br>premises | No. of<br>Rooms |
|-----------------------|--------------------|-----------------|
| Tuberculosis ... ..   | 57                 | 71              |
| Scarlet Fever ... ..  | 113                | 160             |
| Diphtheria ... ..     | 33                 | 78              |
| Cancer ... ..         | 20                 | 60              |
| Scabies ... ..        | 5                  | 10              |
| Other Diseases ... .. | 40                 | 86              |
| Total...              | 268                | 465             |

In addition, steam disinfection of 730 blankets, 193 mattresses, 237 pillows, and 520 other articles was carried out, including a large number on behalf of Civil Defence Services, Home Guard, H.M. Forces, Welfare Hostels and Firewatchers.

### Disinfestation.

Four Corporation houses and 44 privately owned houses were found to be verminous and were treated in the manner described in my Report for 1938. (For report on Rats and Mice, see Page 43).

### Corporation Estates.

Inspection of Corporation Houses by Woman Sanitary Inspector :

|   |     |
|---|-----|
| Houses inspected .. ..                              | 689 |
| „ found to be satisfactory .. ..                    | 653 |
| „ „ „ unsatisfactory .. ..                          | 36  |
| (including 28 overcrowded and 3 verminous)          |     |
| Defects found and reported ... ..                   | 30  |
| Housing applications and transfers investigated ... | 52  |
| Re-inspections ... ..                               | 85  |

### Houses Let-in-Lodgings.

Owing to war-time difficulties action was restricted to exceptional cases and only two premises were dealt with.

### Common Lodging Houses.

The two premises of this type in the City were inspected periodically and found to be maintained in a satisfactory condition.

## Tents, Vans and Sheds.

Twenty-one visits were made to sites upon which caravans had been stationed. Two applications to use moveable dwellings for human habitation were received and both were refused.

(In all probability there will be an extension of camping after the war and the Corporation should therefore give early consideration to the question of providing organised camping sites in the City.)

## SECTION II.

### INSPECTION AND SUPERVISION OF FOOD.

|  |       |
|--|-------|
| Complaints received and investigated ... ..        | 400   |
| No. of inspections and re-inspections :—           |       |
| Bakehouses ... ..                                  | 97    |
| Butchers' shops ... ..                             | 707   |
| Cooked Meat Shops and Registered Food Premises ... | 387   |
| Cowsheds ... ..                                    | 66    |
| Fried Fish Shops ... ..                            | 82    |
| Grocers ... ..                                     | 196   |
| Milkshops and Dairies ... ..                       | 435   |
| Poulterers ... ..                                  | 10    |
| Restaurants ... ..                                 | 168   |
| Meat Depots ....                                   | 560   |
| Other food premises ... ..                         | 270   |
| Food and Drugs Sampling ... ..                     | 175   |
| Merchandise Marks Act ... ..                       | 396   |
| Water Supplies ... ..                              | 17    |
| Visits <i>re</i> Unsound Food ... ..               | 454   |
| Total  | 4,020 |

## Notices Served.

|  | Informal. | Formal. |
|--|-----------|---------|
| Food and Drugs Act, 1938 - ... ..                | 40        | 3       |
| Milk and Dairies Regulations, 1926-43 ..         | 10        | —       |
| Milk (Special Designations) Regulations, 1936-42 | 5         | —       |
| Milk (Use of Bottles) Order, 1943 ... ..         | 3         | —       |
| Total ...  | 58        | 3       |

## Registration of Premises (Food and Drugs Act, 1938).

|   | Newly<br>registered | Discontinued | Total now<br>registered |
|---|---------------------|--------------|-------------------------|
| For the preparation or manufacture of<br>sausages or potted, pressed, pickled, or<br>preserved food — | —                   | 3            | 59                      |

The manufacture and sale of ice-cream was prohibited during the year.



## Food and Drugs Sampling.

The number of samples submitted for analysis was 242, which represents 3.3 per 1000 of population. Thirty-seven or 15.29 per cent. of the samples were adulterated as follows:—

| No.  | Articles.                            | Adulteration.   |
|------|--------------------------------------|---|
| 3    | Milk.                                | Fat deficiency 3%. Added water 18%.                         |
| 7    | Milk.                                | Fat deficiency 13%.   |
| 15   | Gravy Browning.                      | 341 parts per million Benzoic Acid.                         |
| 34   | Milk                                 | Added water 3%.   |
| 56   | Milk.                                | 2% fat deficiency.  |
| 71   | Milk.                                | 1% fat deficiency.  |
| 72   | Milk.                                | 4% extraneous water.  |
| 76   | Milk.                                | 2% fat deficiency.  |
| 78   | Milk.                                | 11% fat deficiency.   |
| 83   | Milk.                                | 4% extraneous water.  |
| 84   | Milk.                                | 13% fat deficiency.   |
| 85   | Milk.                                | 13% fat deficiency.   |
| 89   | Milk.                                | 4% extraneous water.  |
| 107  | Milk.                                | 4% fat deficiency.  |
| 120  | Sausage Meat.                        | 12% meat deficiency.  |
| 126  | Milk.                                | Added water 8%.   |
| 144  | Baking Powder.                       | Deficiency of CO <sub>2</sub> 43%.                          |
| 150  | Malted Soyacream.                    | Presence of Starch 15%.                                     |
| 152  | Milk.                                | Fat deficiency 3%.  |
| 163  | Malted Soyacream.                    | Presence of Starch 11%.                                     |
| 166  | Milk.                                | Fat deficiency 2%.  |
| 193  | Brit. Wine—Sherry Type.              | Adulterated 100%.   |
| 194  | Brit. Wine—Port Type.                | Adulterated 100%.   |
| 195  | Brit. Wine—Verm'th Type.             | Adulterated 100%.   |
| 176  | Stew (Meat).                         | Lead 0.14 grains per pound.                                 |
| 198  | Stewed Apple.                        | Lead 0.03 grains per pound.                                 |
| 199  | Stew.                                | Lead. 3 parts per million.                                  |
| 200  | Stew.                                | Lead. 3 parts per milion.                                   |
| 209  | Brit. Wine—Port Type.                | Deficiency of Proof Spirit 80%.                             |
| 210  | British Pale and Golden Sherry Type. | Deficiency of Proof Spirit 80%.                             |
| 215  | Cocoa.                               | Trace of Phosphorus.  |
| 218  | Pudding Mixture.                     | Infected with mites and also contained 0.10% of Saccharine. |
| 221  | Milk.                                | Deficiency in fat 6%.                                       |
| 224* | Mustard                              | Deficiency in Mustard Oil 17%.                              |
| 228  | Stewed Apple                         | Lead. 3 parts per million.                                  |
| 240  | Gin.                                 | Deficiency of Proof Spirit 7%.                              |
| 241  | Gin.                                 | Deficiency of Proof Spirit 8%.                              |

\* Contravention of the Food Standards (Mustard) Order, 1944.

Legal Proceedings were instituted in respect of:—

No. 126—Vendor fined 10/-.

No. 209) —Suppliers fined £10 on both charges and ordered to pay

No. 210) —£9/9/0 costs. An appeal to Quarter Sessions against the decision was dismissed

No. 240 & No. 241—Vendor fined 10/- and 30/- costs in each case.

Regarding samples 150 & 163 see Page "Labelling of Food."

As a result of following up on samples 76, 84 and 85, twelve Appeal-to-Cow samples were taken of which 7 were found to be deficient in fat. This unusual result was due to faulty methods at the farm and the farmer was advised accordingly.

Appropriate action was taken in respect of the remaining samples found to be adulterated;

Samples 176, 198, 199, 200 and 228 were taken from a canteen during investigations carried out to trace the source of contamination of the foodstuffs and was eventually traced to the use of old gavanised iron baths for food preparation and storage.

Sample 215, believed to have been contaminated by rat-poison laid by private persons.

### FOOD AND DRUGS ACT, 1938.

|                    | Samples Taken. |           | Samples Adulterated. |           |                   | Samples Taken |           | Samples Adulterated. |           |
|--------------------|----------------|-----------|----------------------|-----------|-------------------|---------------|-----------|----------------------|-----------|
|                    | Formal.        | Informal. | Formal.              | Informal. |                   | Formal.       | Informal. | Formal.              | Informal. |
| Asperin Tablets    | —              | 1         | —                    | —         | Malted Milk       | —             | —         | —                    | —         |
| Baking Powder      | —              | 4         | —                    | 1         | Tablets ...       | —             | 1         | —                    | —         |
| Beef Extract       | —              | 1         | —                    | —         | Malted Soyacream  | 1             | 1         | 1                    | 1         |
| Cake Flour ...     | 1              | 9         | —                    | —         | Meat Paste ...    | —             | 2         | —                    | —         |
| Celery Salt ...    | —              | 1         | —                    | —         | Meat Stew ...     | —             | 7         | —                    | 3         |
| Chest and Lung     | —              | —         | —                    | —         | MILK ...          | 58            | 26        | 12                   | 5         |
| Mixture ...        | —              | 1         | —                    | —         | Minced Meat ...   | —             | 1         | —                    | —         |
| Chocolate Fudge    | 1              | —         | —                    | —         | Mixed Chocolates  | 1             | —         | —                    | —         |
| Chocolate Laxative | —              | 2         | —                    | —         | Mixed Spice ...   | —             | 2         | —                    | —         |
| Chocolate          | —              | —         | —                    | —         | Mustard ...       | —             | 2         | —                    | 1         |
| Malt Spread        | —              | 1         | —                    | —         | Orange Essence    | —             | 1         | —                    | —         |
| Cocktail ...       | —              | 1         | —                    | —         | Pancake Mixture   | —             | 3         | —                    | —         |
| Cocoa ...          | —              | 4         | —                    | 1         | Pepper ...        | —             | 5         | —                    | —         |
| Coffee ...         | —              | 1         | —                    | —         | Port ...          | 1             | —         | —                    | —         |
| Cooked Potato      | —              | 1         | —                    | —         | Pudding Mixture   | —             | 8         | —                    | 1         |
| Cooking Mixture    | —              | 1         | —                    | —         | Raising Flour ... | —             | 1         | —                    | —         |
| Curry ...          | —              | 1         | —                    | —         | Raw Potato ...    | —             | 1         | —                    | —         |
| Dessert Mould...   | —              | 1         | —                    | —         | Raw Végétables    | —             | 1         | —                    | —         |
| Egg Savouree ...   | —              | 1         | —                    | —         | Rennet ...        | —             | 1         | —                    | —         |
| Egg Substitute     | —              | 2         | —                    | —         | Rice Pudding—     | —             | —         | —                    | —         |
| Epsom Salts ...    | —              | 1         | —                    | —         | cooked ...        | —             | 1         | —                    | —         |
| Fish Paste ...     | —              | 4         | —                    | —         | Rice—raw ...      | —             | 1         | —                    | —         |
| Flavourings ...    | —              | 3         | —                    | —         | Salicylic Acid    | —             | —         | —                    | —         |
| Gelatine ...       | —              | 3         | —                    | —         | Tablets ...       | —             | 1         | —                    | —         |
| Gin ...            | 2              | —         | 2                    | —         | Salt ...          | —             | 1         | —                    | —         |
| Gin and Orange     | —              | 1         | —                    | —         | Sauce ...         | —             | 6         | —                    | —         |
| Gravy ...          | —              | 1         | —                    | —         | Sausage Meat ...  | —             | 4         | —                    | 1         |
| Gravy Browning     | 1              | 4         | 1                    | —         | Sausages ...      | —             | 3         | —                    | —         |
| Ground Cinnamon    | —              | 1         | —                    | —         | Seasoning ...     | —             | 5         | —                    | —         |
| Ground Ginger      | —              | 2         | —                    | —         | Semolina ...      | —             | 4         | —                    | —         |
| Ground Oatmeal     | —              | 1         | —                    | —         | Soup ...          | —             | 1         | —                    | —         |
| Health Salts ...   | —              | 1         | —                    | —         | Sova Flour ...    | —             | 3         | —                    | —         |
| Horseradish Cream  | —              | 1         | —                    | —         | Stewed Apples     | —             | 3         | —                    | 2         |
| Influenza Mixture  | —              | 1         | —                    | —         | Tangerine Drops   | —             | 1         | —                    | —         |
| Iodine (tincture)  | —              | 1         | —                    | —         | Tea Scones ...    | —             | 1         | —                    | —         |
| Iodised Blood      | —              | —         | —                    | —         | Throat Lozenges   | —             | 2         | —                    | —         |
| Purifier ...       | —              | 1         | —                    | —         | Tonic Drink ...   | —             | 1         | —                    | —         |
| Junket ...         | —              | 1         | —                    | —         | Vinegar ...       | —             | 2         | —                    | —         |
| Laxative Pills ... | —              | 1         | —                    | —         | Vitagrains ...    | —             | 1         | —                    | —         |
| Lemon, Honey and   | —              | —         | —                    | —         | Wine—Port Type    | 1             | 1         | 1                    | 1         |
| Glycerine ...      | —              | 2         | —                    | —         | „ Sherry Type     | 1             | 1         | 1                    | 1         |
| Liquid Paraffin    | —              | 1         | —                    | —         | „ Verm'ith Type   | —             | 1         | —                    | 1         |
| Luncheon Sausage   | —              | 1         | —                    | —         | Yeast Tablets...  | —             | 1         | —                    | —         |
| Malted Food ...    | —              | 1         | —                    | —         |                   |               |           |                      |           |

## Milk (Special Designations) Order, 1936-42.

Ten licenses were granted :—

|                       | T.T. Cert. |    | T.T. |    | Accredited |    | Pasteurised |
|-----------------------|------------|----|------|----|------------|----|-------------|
| Producers' Licence .. | 1          | .. | —    | .. | 1          | .. | —           |
| Dealers' „ ..         | 1          | .. | 3    | .. | —          | .. | 3           |
| Pasteurisers' „ ..    | —          | .. | —    | .. | —          | .. | 1           |
|                       | 2          | .. | 3    | .. | 1          | .. | 4           |

## Bacteriological Examination of Food.

Seventy-eight samples were submitted for bacteriological examination and the following is a summary of the results:—

| <i>Article.</i>     | <i>Number of samples taken.</i> | <i>Passed Official tests.</i> | <i>Failed Official tests.</i> | <i>Passed Official test, but contained Bacilli Coli in 0.1 c.c. (3 tests).</i> |
|---------------------|---------------------------------|-------------------------------|-------------------------------|--|
| Milk T.T. Certified | 4                               | 3                             | 1                             | 1  |
| „ T.T. ....         | 13                              | 12                            | 1                             | 2  |
| „ Accredited ....   | 12                              | 12                            | —                             | 1  |
| „ Pasteurised....   | 36                              | 26                            | 10                            | 21   |
| „ Ungraded ....     | 6                               | No Official tests.            |                               | 2  |
|                     | 71                              | 53                            | 12                            | 27   |

The results of the Pasteurised Milk samples were very unsatisfactory. In addition to 10 of the 36 samples failing to pass the official tests, 21 showed *Bacillus Coli* as compared with only 1 out of 12 in the case of Accredited Milk.

Other foods examined bacteriologically were :—

Sausages (5), Faggots (1), and Pork Luncheon Meat (1) All proved to be satisfactory.

## Examination of Milk for Tubercle Bacilli.

Eleven samples were submitted to the Department of Preventive Medicine (Bristol University) and 2 gave positive results. The milk in question was from a quantity consigned to a local dairyman from a farm in the rural area. The two samples which gave positive reactions were taken in connection with investigations carried out to trace the destination of two cows which had been sold by a local Dairy Farmer. One of the cows had reacted to the Tuberculin test and the other was suspected. The facts were reported to the County and Rural District Councils. This case indicates the anomaly of farmers being permitted to dispose of re-actors without the local authority being notified, as it may be some considerable time before the animals are traced. In the meantime they may have been giving tuberculous milk over a long period, and therefore a danger to health.

One case of suspected food poisoning was reported, the food suspected (sweets) was analysed and found to be genuine. The person affected was not seriously ill.

The following 48 articles to which preservatives may be added in accordance with the regulations were submitted for analysis:—

The only contravention was in respect of a sample of Gravy Browning which contained an excess amount of Benzoic Acid. The sample was taken from old stock, the remainder of which was surrendered.

## Milk and Dairies.

|   |    |     |
|---|----|-----|
| Inspection and re-inspection of cowsheds ..                                     | .. | 66  |
| " " " dairies ..  | .. | 435 |
| Notices served under Milk and Dairies Regulations,<br>1926-43 ..                | .. | 10  |
| Dairymen cautioned for filling bottles, other than on<br>registered premises .. | .. | 1   |
| Number of registered dairymen, 87 viz :—  |    |     |
| Producers inside City area ..   | .. | 18  |
| Producers outside City area ..  | .. | 26  |
| Retailers ..  | .. | 39  |
| Wholesalers ..  | .. | 4   |

Throughout the year the Department continued to assist in the operating of this Scheme and 802 samples were taken and delivered to the Ministry of Agriculture's laboratory.

At the end of 1944 the Ministry of Agriculture ceased to supply local authorities with the results of such samples and in consequence your inspectors are not now engaged on this work. The Government's attitude in recent years in regard to the control of milk production is a matter of vital importance to local authorities. There appears to be a determined effort to oust local authorities and their sanitary inspectors from the field of milk and dairies administration and to transfer these duties to the Ministry of Agriculture. If such a change were in the best interests of public health there could be no reasonable objection, but many who have carefully considered the matter are gravely concerned as to the ultimate results.



## Water Sampling.

Fourteen samples were submitted for chemical and bacteriological examination, viz. :—

|                  |      |  |
|------------------|------|--|
| City Main Supply | — 3. | All proved satisfactory.   |
| Swimming Baths   | — 3. | Two were satisfactory but the other contained too many organisms and too much saline and albumoid ammonia, and sediment. Immediate action was taken to remedy these conditions.                  |
| Springs          | — 2. | Both satisfactory.   |
| River Avon       | — 3. | These were taken to ascertain whether sewage pollution was taking place to such an extent as to render the river unsuitable for bathers. None of the samples showed evidence of gross pollution. |

## Static Water Tanks

These were examined periodically and the National Fire Service informed of any tanks in which the water contained the larvæ of mosquitoes.

## Bakehouses.

|   |    |
|---|----|
| Number in use (including 3 basement bakehouses) ... | 31 |
| Inspections and re-inspections ... ..               | 97 |
| Notices served in respect of limewashing ...        | 12 |
| Notices served in respect of other conditions ...   | 3  |

## Fried Fish Shops.

|                                       |    |
|---------------------------------------|----|
| Number in use ... ..                  | 24 |
| Inspections and re-inspections ... .. | 92 |

## Food Standards.

Progress is at last being made with respect to standards and during the year official Orders were issued in respect of several articles of food. (The list was further extended on 1st January, 1945.)

One contravention was discovered :—

A sample of Mustard deficient in Mustard Oil to the extent of 17%. The stock concerned was withdrawn from sale.

## Labelling of Food.

An interesting case was discovered (Samples 150 and 163) of an article bearing a label indicating "inter alia" that the contents were "Starchfree," but on analysis was found to contain 11% of Starch. Being an article of food likely to be used by invalids the facts were reported to the Ministry of Food who took the matter up with the manufacturers, and as a result the labels were altered.



## MEAT INSPECTION.

### Causes of Condemnation, & Weight in lbs.

| DISEASES.              | Cattle. | Cows. | Calves. | Sheep. | Pigs. | TOTAL |
|------------------------|---------|-------|---------|--------|-------|-------|
| Abscesses.             | —       | 266   | 5       | 17     | 6     | 294   |
| Actinomycosis          | —       | 48    | —       | —      | —     | 48    |
| Distomatosis           | 85      | 20    | —       | —      | —     | 105   |
| Dropsy and Bruising    | 3       | 404   | —       | 64     | —     | 471   |
| Fatty Degeneration     | —       | —     | —       | 7      | —     | 7     |
| Fevered Flesh          | 33      | 99    | —       | 67     | —     | 199   |
| Oedema                 | —       | 28    | —       | —      | —     | 28    |
| Septic & Decomposition | —       | —     | —       | 82     | 9     | 91    |
| Tuberculosis           | 17      | 308   | —       | —      | 15    | 340   |
| TOTAL....              | 138     | 1173  | 5       | 237    | 30    | 1583  |

Total weight condemned = 14 cwts. 15 lbs.

### Food Condemned.

|  | Tons | cwts | qrs | lbs              |
|--|------|------|-----|------------------|
| In meat depots and butchers' shops ... | —    | 14   | —   | 15               |
| In provision shops, warehouses, etc. : |      |      |     |                  |
| (a) tinned foods ... ..                | 3    | 10   | 2   | 18 $\frac{3}{4}$ |
| (b) fish ... ..                        | 4    | 10   | 6   | 4                |
| (c) other foods ... ..                 | 12   | 18   | —   | 9                |
| Total ...                              | 21   | 14   | 1   | 18 $\frac{3}{4}$ |

### Public Health (Meat) Regulations, 1924.

None of the slaughterhouses were used for that purpose during the year but 9 pigs were slaughtered at private piggeries and in each case a permit was issued by the Food Executive Officer. The animals were slaughtered humanely and the carcasses and organs inspected.

### Slaughter of Animals Act, 1933.

With only one exception all the licences issued by the Corporation have now expired.

## SECTION III.

### FACTORIES, SHOPS, Etc.

#### Factories and Workplaces.

|                                 |       | No. of<br>Inspections | Written<br>Notices |
|---------------------------------|-------|-----------------------|--------------------|
| Factories with mechanical power | ...   | 88                    | 5                  |
| „ without mechanical power      | ...   | 39                    | 2                  |
| Others                          | ...   | —                     | —                  |
|                                 |       | —                     | —                  |
|                                 | Total | 127                   | 7                  |
|                                 |       | —                     | —                  |

|                          |     | Defects<br>Found | Remedied | Referred<br>to H.M.<br>Inspector |
|--------------------------|-----|------------------|----------|----------------------------------|
| Want of Cleanliness      | ... | 9                | 13       | —                                |
| Overcrowding             | ... | —                | —        | —                                |
| Unreasonable temperature | ... | —                | —        | —                                |
| Inadequate ventilation   | ... | 1                | 1        | —                                |
| Drainage of floors       | ... | —                | —        | —                                |
| Sanitary Conveniences—   |     |                  |          |                                  |
| Insufficient             | ... | 1                | —        | —                                |
| Unsuitable or defective  | ... | 1                | 1        | —                                |
| Not separate for sexes   | ... | —                | —        | —                                |
| Other offences           | ... | —                | —        | —                                |

The number of outworkers notified was 3. The premises used by them were inspected and found to be satisfactory.

#### Shops Acts, 1912-36.

|   |     |     |     |
|---|-----|-----|-----|
| Inspections and re-inspections                  | ... | ... | 186 |
| Notices served (Informal)                       | ... | ... | 6   |
| Forms and Notices provided as result of notices | ... | ... | 2   |
| Means of heating provided or improved           | ... | ... | —   |
| Washing facilities provided or improved         | ... | ... | 3   |
| Sanitary accommodation provided or improved     | ... | ... | 3   |
| Means of ventilation provided or improved       | ... | ... | 2   |
| Other defects remedied                          | ... | ... | 1   |

#### Theatres, Cinemas, Etc.

Thirteen inspections were made. Conditions were satisfactory.

## SECTION IV.

### MISCELLANEOUS

#### Smoke Abatement.

Eight smoke nuisances (1 Industrial, 7 Domestic) were investigated during the year necessitating 27 visits (15 to industrial premises and 12 to private houses.

#### Offensive Trades.

Five offensive trades were in use.

|                                |     |     |     |    |
|--------------------------------|-----|-----|-----|----|
| Rag dealers                    | ... | ... | ... | 2  |
| Rag and marine store           | ... | ... | ... | 2  |
| Rabbit Skin dealers            | ... | ... | ... | 1  |
| Total number of re-inspections | ... | ... | ... | 16 |

#### Rats and Mice (Destruction) Act, 1919, and Infestation Order, 1943.

|                                      |     |     |     |      |
|--------------------------------------|-----|-----|-----|------|
| Complaints received and investigated | ... | ... | ... | 642  |
| Inspections and re-inspections       | ... | ... | ... | 3740 |
| Notices served. (Informal).          | ... | ... | ... | 224  |
| Defective sewers repaired            | ... | ... | ... | 19   |
| „ sewer connections repaired         | ... | ... | ... | 9    |
| „ private drains repaired            | ... | ... | ... | 62   |
| Intercepting trap stoppers replaced  | ..  | ... | ... | 16   |
| Accumulations removed                | ... | ... | ... | 23   |
| Premises rat-proofed                 | ... | ... | ... | 151  |
| Water storage cisterns abolished     | ... | ... | ... | 5    |
| Drains tested by smoke               | ... | ... | ... | 22   |
| „ „ „ chemicals                      | ... | ... | ... | 137  |
| Cases where use of traps advised     | ... | ... | ... | 146  |
| Pre-baits laid...                    | ... | ... | ... | 2529 |
| Poison baits laid:—                  |     |     |     |      |
| Red Squill                           | ... | ... | ... | 83   |
| Zinc Phosphide                       | ... | ... | ... | 113  |
| Arsenic Oxide                        | ... | ... | ... | 480  |

A special Report on the operation of the Infestation Order, 1943, was submitted to the Health Committee in June and after approval a copy was sent to the Ministry of Food. The appointment of two Rodent Officers has been of immense value in carrying out the work in the manner prescribed in the Order, and with the valued co-operation of the officers of the Ministry of Food the results obtained during the year were satisfactory.

# CITY OF BATH

Causes of, and Ages at, Death during the Year 1944

| CAUSES  | Persons | M   | F   | —1  |     | 2—5 |     | 5—10 |     | 10—15 |     | 15—20 |     | 20—25 |     | 25—35 |     | 35—45 |     | 45—55 |     | 55—60 |     | 60—65 |     | 65—75 |     | 75—80 |     | 80—85 |     | 85— |   |
|---|---------|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-----|---|
|   |         |     |     | M   | F   | M   | F   | M    | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M   | F |
| 1 Typhoid Fevers ...                                | ...     | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 2 Cerebro-spinal fever ...                          | 1       | ... | 1   | ... | ... | ... | 1   | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 3 Scarlet-Fever ...                                 | ...     | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 4 Whooping-cough ...                                | 1       | ... | 1   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 5 Diphtheria... ..                                  | 1       | 1   | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 6 Erysipelas ...                                    | 2       | ... | 2   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 7 Tuberculosis of Respiratory System...             | 40      | 20  | 20  | ... | ... | ... | ... | ...  | ... | 1     | ... | 2     | 1   | 2     | 4   | 6     | 4   | 1     | 1   | 2     | 3   | 1     | 3   | 1     | 4   | 2     | 1   | ...   | ... | 1     | ... |     |   |
| 8 Other Tuberculosis ...                            | 5       | 2   | 3   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 9 Syphilitic disease ...                            | 3       | 1   | 2   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 10 Influenza ...                                    | 3       | 1   | 2   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 11 Measles ...                                      | ...     | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 12 Acute poliomyelitis and polioencephalitis ...    | 1       | 1   | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | 1     | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 13 Acute infectious encephalitis ...                | ...     | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 14 Cancer of buccal cavity & œsophagus (males only) | 5       | 5   | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 15 Cancer of Uterus ...                             | 4       | ... | 4   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 16 Cancer of the stomach and duodenum ...           | 24      | 8   | 16  | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 17 Cancer of breast ...                             | 27      | 1   | 26  | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 18 Cancer of other sites ...                        | 102     | 47  | 55  | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 19 Chronic Rheumatism ...                           | 9       | 2   | 7   | ... | ... | ... | ... | ...  | ... | 1     | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 20 Diabetes ...                                     | 12      | 4   | 8   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 21 Intra-cranial vas. lesions ...                   | 87      | 35  | 52  | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 22 Heart Disease ...                                | 348     | 162 | 186 | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 23 Other circulatory diseases                       | 16      | 8   | 8   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 24 Bronchitis... ..                                 | 18      | 9   | 9   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 25 Pneumonia (all forms)...                         | 51      | 24  | 27  | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |
| 26 Other Respiratory diseases                       | 10      | 6   | 4   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ... |   |





# CASES OF INFECTIOUS DISEASE NOTIFIED AND REMOVED DURING 1944

46

| Cases Notified         | At all Ages |     | Under 1 |     | 1-2 |     | 2-3 |     | 3-4 |     | 4-5 |     | 5-10 |     | 10-15 |     | 15-20 |     | 20-25 |     | 25-35 |     | 35-45 |     | 45-55 |     | 55-65 |     | 65 and over |   |
|------------------------|-------------|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------------|---|
|                        | M           | F   | M       | F   | M   | F   | M   | F   | M   | F   | M   | F   | M    | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M     | F   | M           | F |
|                        |             |     |         |     |     |     |     |     |     |     |     |     |      |     |       |     |       |     |       |     |       |     |       |     |       |     |       |     |             |   |
| Diphtheria             | 19          | 21  | ...     | ... | ... | ... | 1   | 1   | 1   | 1   | 1   | 1   | 8    | 4   | 6     | 1   | 3     | ... | 1     | ... | 6     | 2   | 2     | ... | 1     | ... | ...   | ... | ...         |   |
| Scarlet Fever          | 49          | 85  | ...     | ... | 1   | 2   | 3   | 4   | 2   | 5   | 10  | 7   | 21   | 33  | 6     | 17  | 3     | 4   | 5     | ... | 4     | 3   | 1     | 1   | ...   | ... | ...   | ... | ...         |   |
| Erysipelas             | 7           | 16  | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | 2     | 2   | 2     | 2   | 1     | 2   | 7     | 1   | 3           |   |
| Pneumonia              | 16          | 10  | ...     | ... | ... | ... | ... | ... | ... | ... | ... | 1   | 1    | ... | ...   | ... | 2     | 1   | 1     | ... | 2     | 5   | 6     | 4   | 1     | ... | ...   | 1   | 1           |   |
| Cerebro-spinal Fever   | 4           | ... | ...     | ... | ... | ... | ... | 2   | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | 1   | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Ophthalmia Neonatorum  | 5           | 8   | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Polio Encephalitis     | 1           | ... | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Puerperal Pyrexia      | 1           | ... | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Measles                | 8           | 13  | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | ...  | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Whooping Cough         | 30          | 31  | 5       | 5   | ... | ... | ... | ... | ... | ... | ... | ... | 2    | 3   | 3     | 1   | ...   | 1   | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| Tuberculosis Pulmonary | 47          | 29  | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5    | 9   | 4     | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...   | ... | ...         |   |
| " Non-Pulmonary...     | 1           | 7   | ...     | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1    | ... | 2     | 1   | 2     | 5   | 3     | 5   | 12    | 10  | 9     | 2   | 9     | 3   | 9     | 2   | 2           |   |
| TOTAL NOTIFIED         | 184         | 234 | 10      | 13  | 4   | 8   | 9   | 14  | 6   | 13  | 17  | 14  | 12   | 46  | 15    | 22  | 7     | 17  | 7     | 18  | 17    | 29  | 19    | 20  | 16    | 7   | 11    | 9   | 4           | 4 |

## Cases Removed to Hospital—†

|               |         |    |     |     |     |   |   |   |   |    |   |    |    |    |    |    |    |    |    |   |    |     |    |   |    |   |   |   |   |   |
|---------------|---------|----|-----|-----|-----|---|---|---|---|----|---|----|----|----|----|----|----|----|----|---|----|-----|----|---|----|---|---|---|---|---|
| *Diphtheria   | ...     | 20 | 23  | ... | ... | 1 | 1 | 1 | 1 | 1  | 2 | 8  | 4  | 7  | 1  | 4  | 1  | 6  | 2  | 2 | 1  | ... |    |   |    |   |   |   |   |   |
| Scarlet fever | ...     | 42 | 72  | ... | 1   | 2 | 4 | 2 | 5 | 10 | 7 | 17 | 25 | 5  | 14 | 2  | 4  | 4  | 3  | 1 | 1  | ... |    |   |    |   |   |   |   |   |
| Other Cases   | ...     | 37 | 62  | 5   | 4   | 2 | 3 | 4 | 1 | 2  | 1 | 11 | 7  | 3  | 1  | 9  | 2  | 11 | 5  | 6 | 3  | 5   | 4  | 2 | 2  | 5 | 1 |   |   |   |
| TOTAL         | REMOVED | 99 | 157 | 5   | 4   | 1 | 3 | 6 | 9 | 4  | 8 | 11 | 10 | 36 | 36 | 12 | 18 | 3  | 17 | 4 | 16 | 5   | 16 | 5 | 10 | 5 | 4 | 2 | 5 | 1 |

†Excluding Patients from outside the City Area

\*Including 4 "carriers."

NOTE—A Summary of Statistics relating to Number of Notifications, Number of Deaths, Incidence and Death Rates of Infectious Diseases, will be found on page 7, an analysis of Deaths according to Age Periods on pages 44 and 45, and a further note in connection with the Notification of Tuberculosis on page 28.